

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration,
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and
World Agricultural Outlook Board

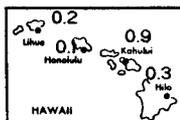
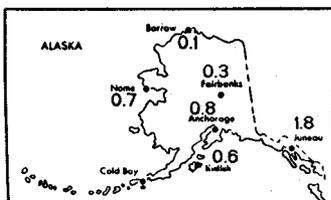
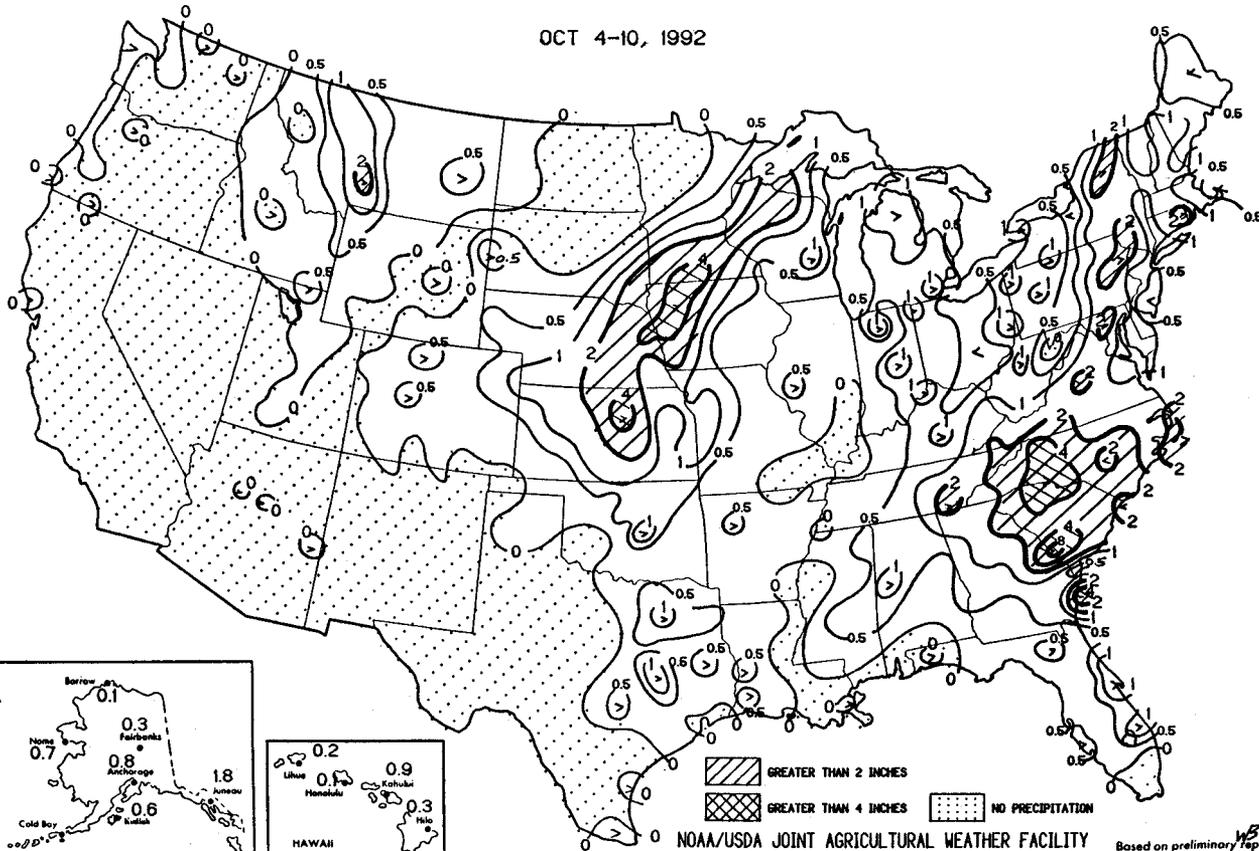
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Washington, D.C.

October 14, 1992

TOTAL PRECIPITATION, INCHES

OCT 4-10, 1992



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Based on preliminary reports

HIGHLIGHTS

October 4 - 10, 1992

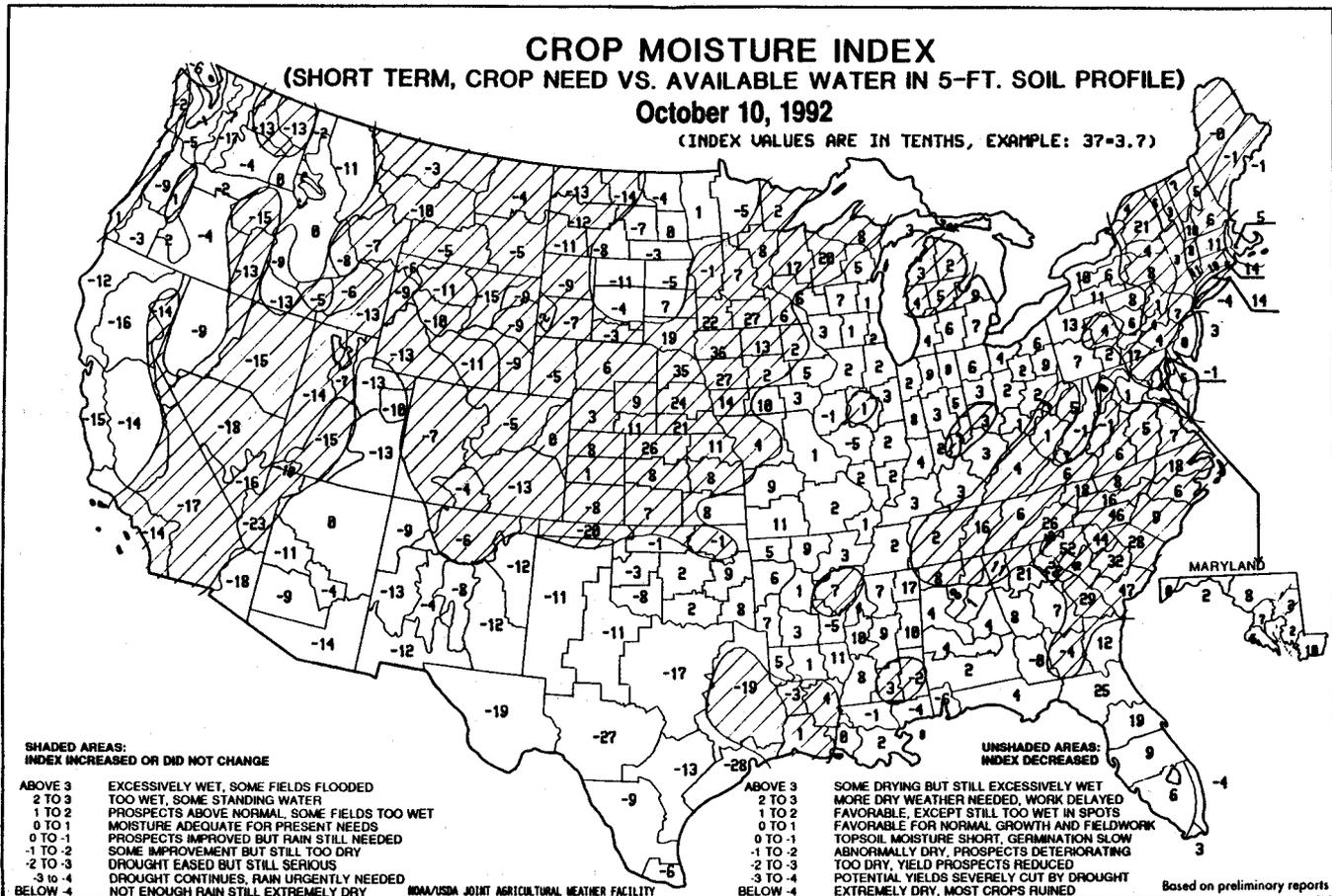
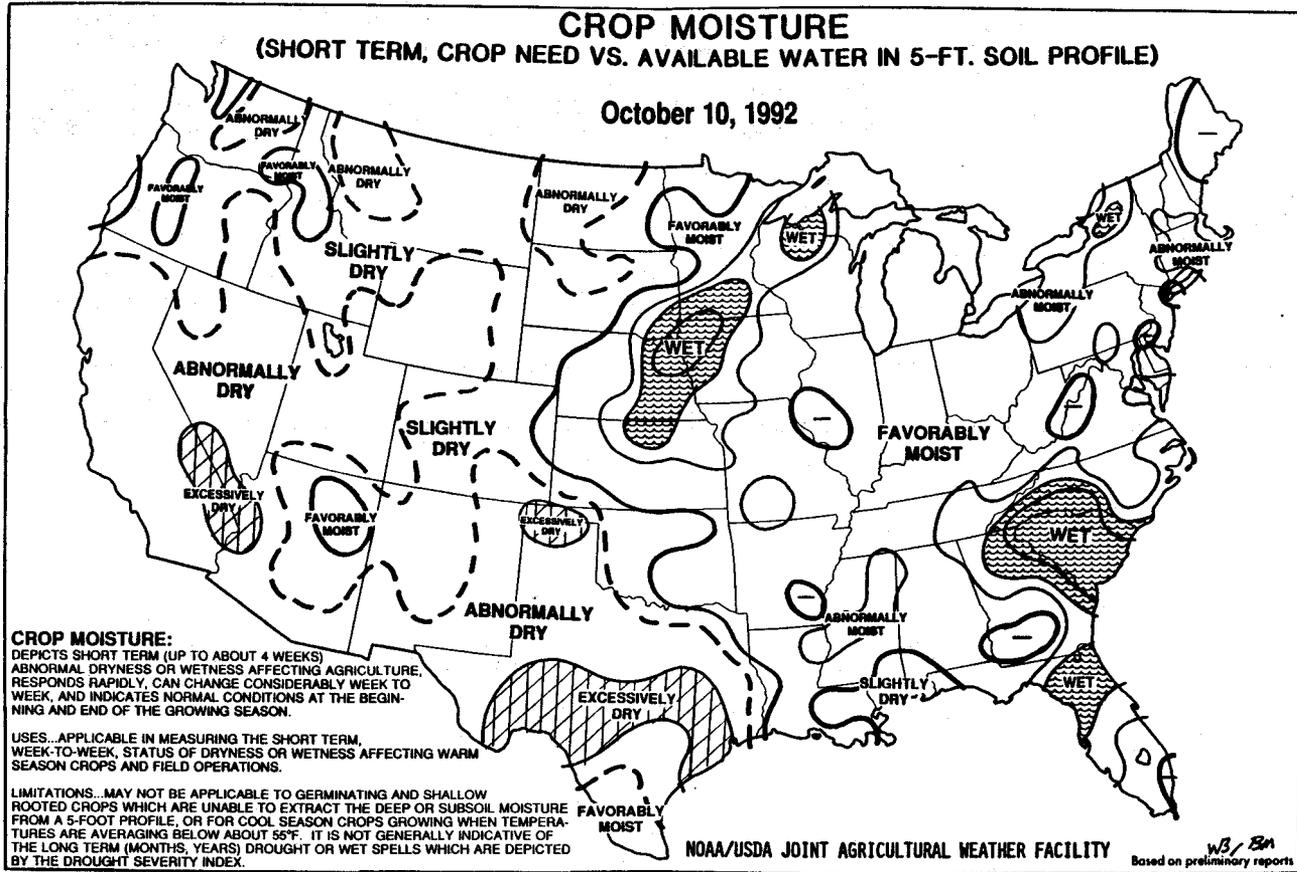
A winter-like storm drew sub-freezing cold into northern Texas and produced snow as far south as Kansas. The storm later dropped heavy rain on the already-soaked Southeast. Early in the week, a strong low pressure center crossed the Southeast, resulting in extensive minor flooding. Storm-total rainfall reached 8 inches in Jacksonville, FL, and 4 inches in Charlotte, NC. As the storm drifted into the Atlantic, gusty winds and high surf buffeted the middle and southern Atlantic coast. Wave heights reached 20 feet at Diamond Shoals near Cape Hatteras, NC. Meanwhile, a Pacific storm crossed the west coast, helping firefighters to contain a 24,500-acre fire in El Dorado County, CA, near Lake Tahoe. The fire had forced closure of a 52-mile stretch of U.S. Route 50. But the storm also brought a taste of winter to the western half of the Nation. On Wednesday, lows of 13°F

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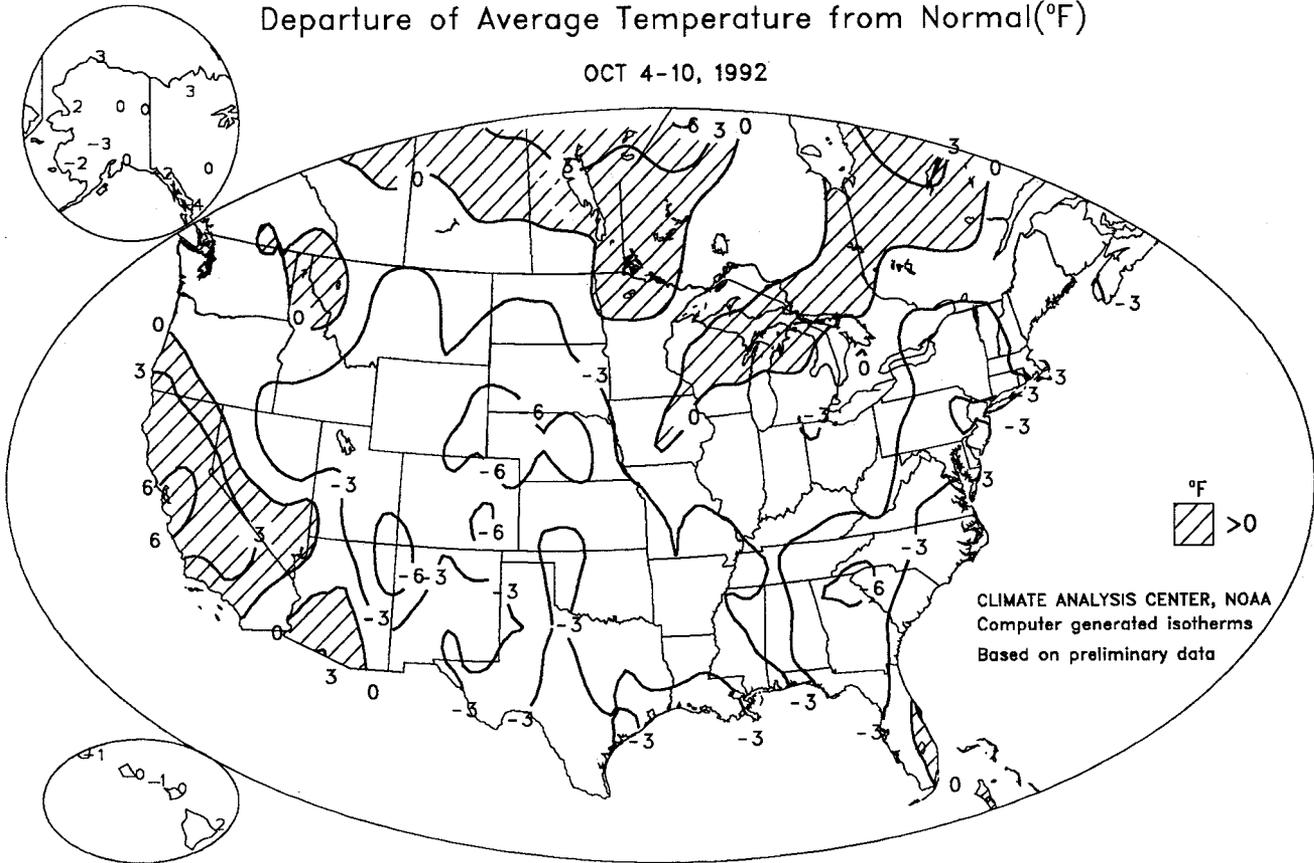
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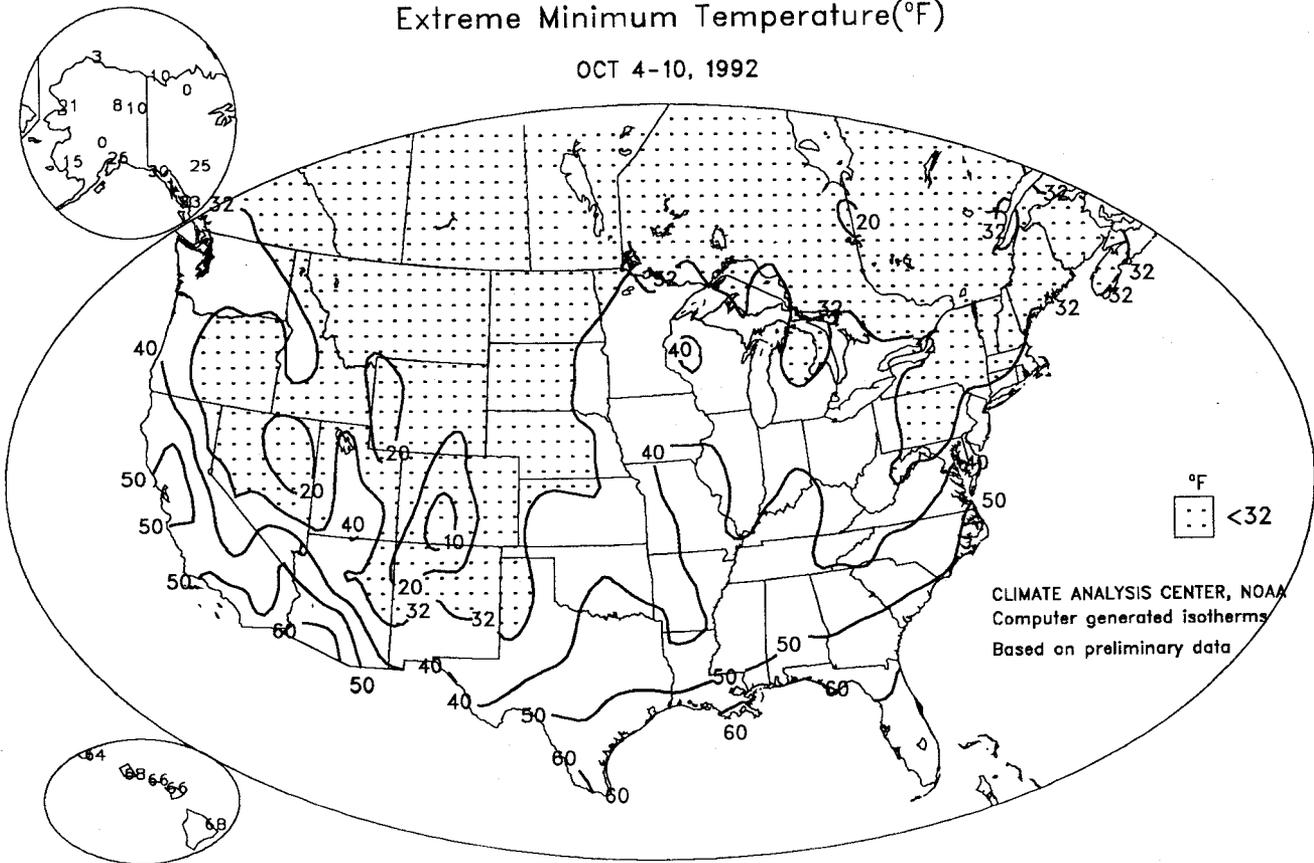
Departure of Average Temperature from Normal(°F)

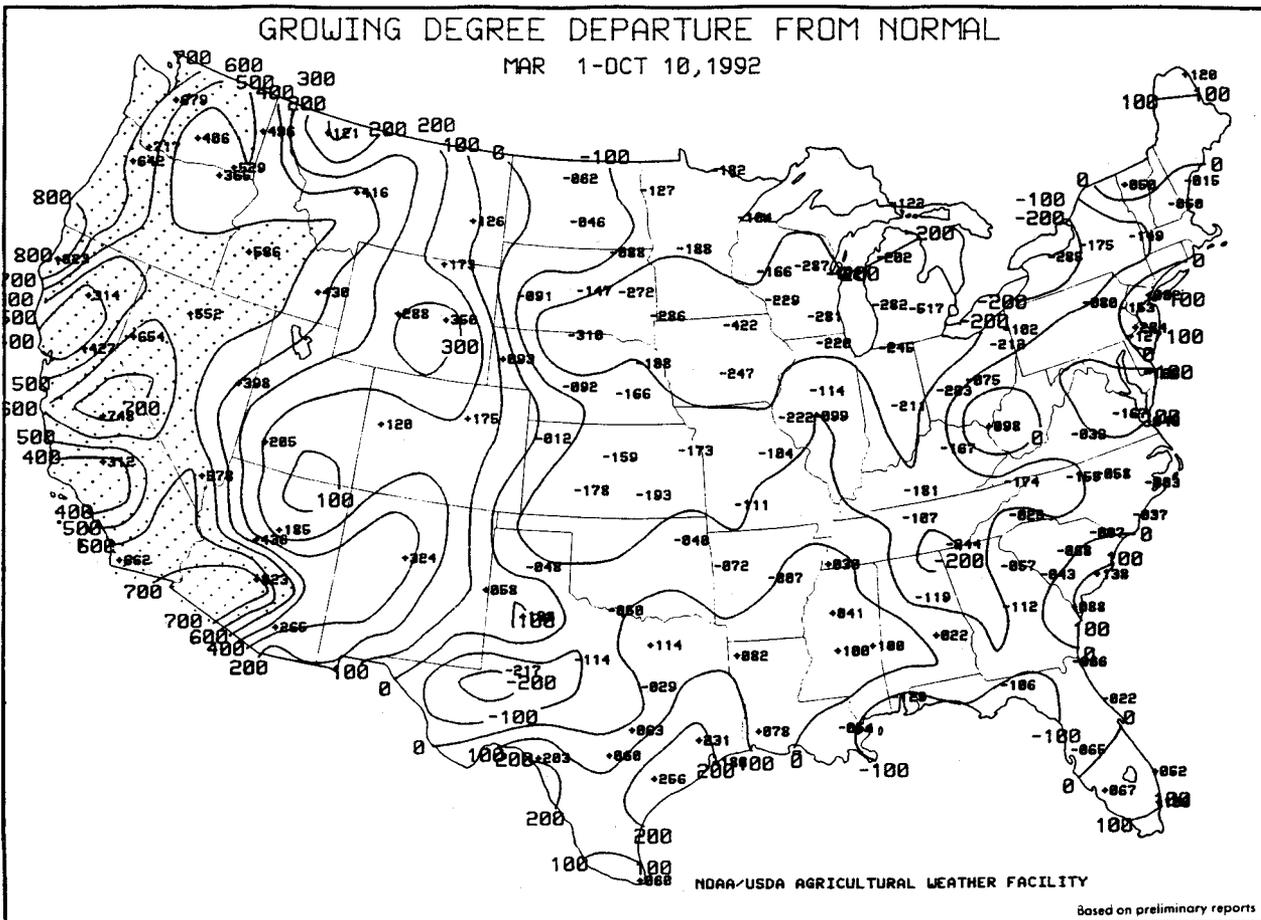
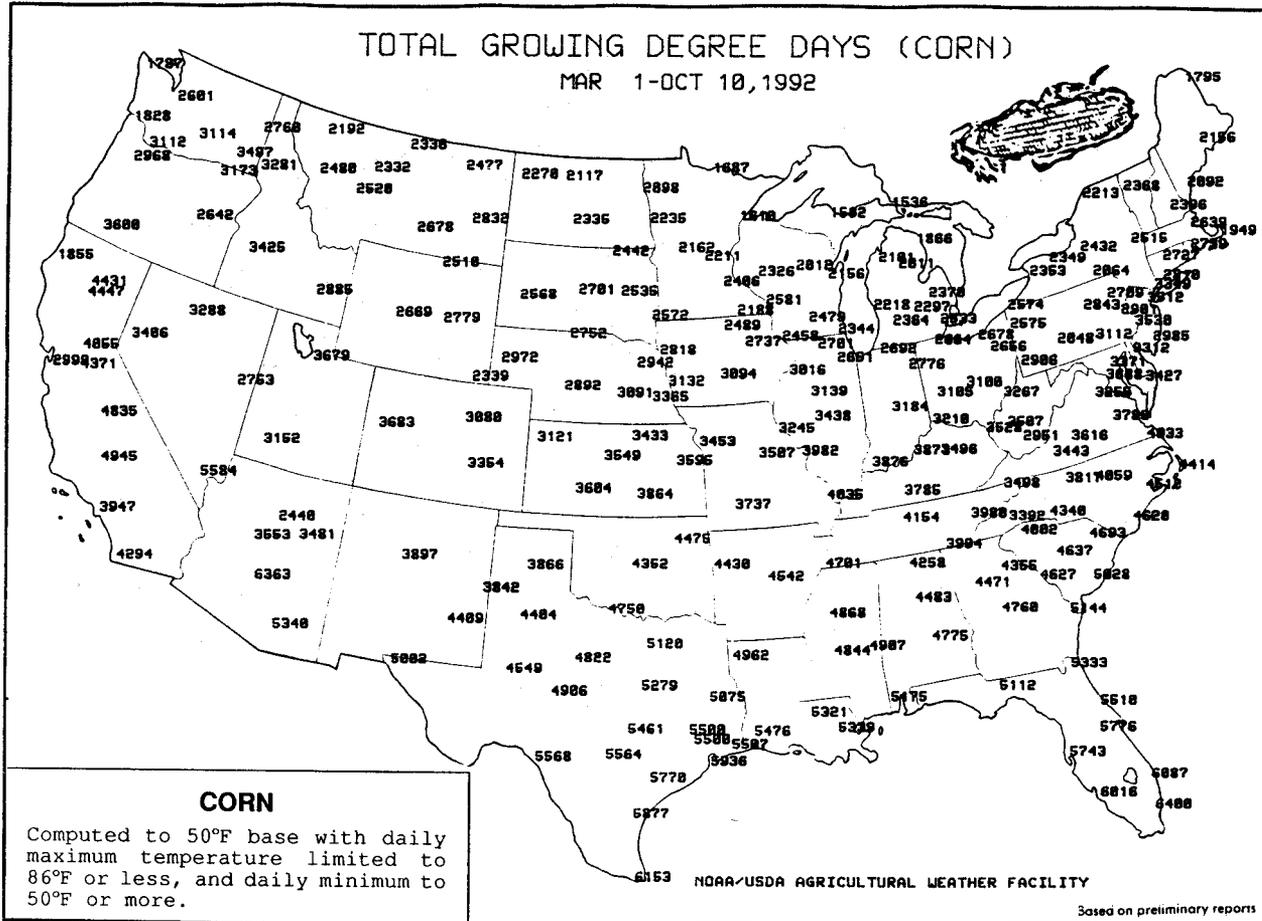
OCT 4-10, 1992



Extreme Minimum Temperature(°F)

OCT 4-10, 1992





National Weather Data for Selected Cities

Weather Data for the Week Ending **October 10, 1992**

STATES AND STATIONS	TEMPERATURE °F							PRECIPITATION							RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	74	53	78	44	63	-3	.9	.3	.8	7.5	145	43.0	97	96	48	0	0	0	0	2	1	
MOBILE	78	58	81	51	68	-3	.7	-.7	.7	3.9	52	52.1	97	97	50	0	0	0	0	0	0	
MONTGOMERY	77	54	82	49	65	-3	.2	-.4	.2	3.0	54	46.4	96	96	49	0	0	0	0	1	0	
AK ANCHORAGE	44	32	57	26	38	0	.8	.4	.5	3.7	122	11.4	97	92	57	0	4	3	0	0	0	
BARROW	31	14	38	4	22	4	.1	-1.1	.0	.5	71	2.2	57	96	74	0	7	2	0	0	0	
FAIRBANKS	36	22	52	9	29	-2	.3	.1	.2	1.7	126	10.1	118	95	65	0	7	3	0	0	0	
JUNEAU	47	40	49	37	44	0	2.1	.3	.7	15.2	169	63.2	165	99	71	0	0	6	1	1	0	
KODIAK	48	35	53	29	41	-1	.6	-1.0	.4	3.4	40	43.6	97	88	54	0	3	2	0	0	0	
NOME	34	24	37	15	29	-2	.7	.4	.5	2.4	88	9.7	79	95	72	0	7	4	0	0	0	
AZ PHOENIX	95	65	96	62	80	3	.0	-1.1	.0	.0	4	10.9	209	33	8	7	0	0	0	0	0	
PRESCOTT	79	40	81	36	60	0	.0	-2.0	.0	.0	2	17.5	165	54	11	0	0	0	0	0	0	
TUCSON	92	55	95	50	74	0	.0	-2.0	.0	.9	58	13.0	144	31	8	7	0	0	0	0	0	
YUMA	98	66	100	62	82	2	.0	-1.1	.0	.0	0	3.5	197	46	12	7	0	0	0	0	0	
AR FORT SMITH	78	47	82	38	62	-3	.7	-.7	.7	6.9	165	36.8	118	95	34	0	0	0	1	0	0	
LITTLE ROCK	76	53	81	44	64	-2	.3	-.4	.3	3.3	64	35.5	92	71	41	0	0	0	1	0	0	
CA BAKERSFIELD	91	58	96	54	75	4	.0	-1.1	.0	.0	0	5.7	140	56	24	4	0	0	0	0	0	
EUREKA	69	51	80	48	60	5	.0	-1.4	.0	.6	37	15.9	66	92	66	0	0	0	0	0	0	
FRESNO	90	56	94	53	73	5	.0	-1.1	.0	.0	0	9.2	128	72	22	5	0	0	0	0	0	
LOS ANGELES	74	60	77	57	67	-1	.0	-1.0	.0	.0	0	11.9	140	98	63	0	0	0	0	0	0	
REDDING	91	54	97	47	73	3	.0	-1.3	.0	.3	19	20.5	76	56	12	5	0	0	0	0	0	
SACRAMENTO	90	53	93	51	71	5	.0	-1.1	.0	.0	0	10.1	90	78	19	4	0	0	0	0	0	
SAN DIEGO	77	61	81	57	69	1	.0	-1.0	.0	.0	0	10.0	154	95	55	0	0	0	0	0	0	
SAN FRANCISCO	85	56	92	54	71	1	.0	-2.0	.0	.0	2	13.4	105	85	28	1	0	0	0	0	0	
CO DENVER	64	36	77	23	50	-5	.5	-.7	.7	.8	1	13.1	99	75	25	0	3	1	0	0	0	
GRAND JUNCTION	70	41	76	30	56	-3	.0	-2.0	.0	.3	31	6.6	108	45	15	0	1	0	0	0	0	
PUEBLO	69	32	85	16	51	-7	.1	-1.1	.0	.0	8	71	10.1	106	70	21	0	3	2	0	0	
CT BRIDGEPORT	65	48	71	38	57	-2	1.6	-.9	1.6	6.9	161	36.6	116	86	51	0	0	0	2	1	0	
HARTFORD	66	39	72	30	53	-3	1.1	-.3	1.0	3.5	70	32.6	97	92	42	0	2	2	1	1	0	
DC WASHINGTON	68	51	74	42	59	-3	1.0	-.3	1.0	4.5	109	29.1	94	90	53	0	0	0	1	1	0	
FL APALACHICOLA	78	64	84	61	71	-1	.1	-.9	.1	11.1	112	51.5	109	97	65	0	0	0	1	0	0	
DAYTONA BEACH	83	68	89	62	76	0	1.5	-.3	1.4	11.4	136	43.4	106	97	65	0	0	0	4	1	0	
JACKSONVILLE	78	65	85	59	72	-1	.3	-.7	.2	16.1	204	61.1	135	96	69	0	0	0	2	0	0	
KEY WEST	86	74	88	70	80	-1	.7	-1.2	.7	7.8	97	31.8	102	87	59	0	0	0	0	0	0	
MIAMI	87	73	92	68	80	1	.7	-1.8	.7	7.0	66	40.5	83	91	53	3	0	0	0	0	0	
ORLANDO	84	67	89	58	75	-1	1.8	-.9	.6	10.9	145	48.0	109	98	59	0	0	0	3	3	0	
TALLAHASSEE	77	60	84	55	68	-3	.1	-.7	.1	6.7	89	54.1	99	94	63	0	0	0	2	0	0	
TAMPA	83	68	88	64	76	-1	.1	-.5	.1	5.1	72	31.5	76	97	61	0	0	0	3	0	0	
WEST PALM BEACH	88	71	91	63	79	0	.7	-1.9	.7	7.4	61	44.2	90	93	54	3	0	0	2	0	0	
GA ATLANTA	68	53	75	48	61	-5	1.4	-.8	1.2	11.3	286	43.5	111	94	57	0	0	0	4	1	0	
AUGUSTA	75	53	83	47	64	-2	3.7	3.2	2.8	7.9	189	42.2	116	99	62	0	0	0	4	2	0	
MACON	72	54	82	49	63	-5	.8	-.4	.6	4.7	118	43.6	117	94	60	0	0	0	2	1	0	
SAVANNAH	77	61	87	55	69	0	.4	-2.2	.4	11.9	198	51.7	118	94	62	0	0	0	1	0	0	
HI HILO	85	70	87	68	78	2	.3	-1.6	.2	17.9	193	74.7	80	92	63	0	0	0	3	0	0	
HONOLULU	87	71	90	68	79	-1	.1	-.3	.1	2.2	203	8.9	58	86	51	1	0	0	1	0	0	
KAHULUI	86	70	89	67	78	0	.9	-.8	.8	2.3	514	10.1	80	89	62	0	0	0	2	1	0	
LIHUE	84	70	85	64	77	-1	.2	-.8	.2	.5	25	17.6	59	83	58	0	0	0	1	0	0	
ID BOISE	67	39	70	35	53	-2	.7	-1.1	.7	.5	61	4.7	56	73	27	0	0	0	0	0	0	
LEWISTON	67	44	69	37	56	1	.7	-2.2	.7	1.0	94	8.5	88	69	31	0	0	0	1	0	0	
POCATELLO	61	35	66	27	48	-3	.4	-.2	.3	.7	73	5.4	66	83	35	0	1	2	0	0	0	
IL CHICAGO	65	44	70	36	54	-2	.2	-.3	.2	4.6	95	20.7	73	94	49	0	0	0	2	0	0	
MOLINE	68	44	75	40	56	-4	.4	-.3	.4	5.2	112	28.2	90	95	48	0	0	0	3	0	0	
PRORIA	67	45	73	39	56	-4	.4	-2.2	.2	6.2	137	23.1	79	92	48	0	0	0	3	0	0	
QUINCY	69	47	79	43	58	-3	.3	-1.5	.3	2.6	48	20.1	63	81	36	0	0	0	2	0	0	
ROCKFORD	65	43	71	39	54	-2	.2	-1.5	.2	5.7	121	22.8	75	95	48	0	0	0	2	0	0	
SPRINGFIELD	71	47	81	40	59	-1	.1	-1.1	.1	1.7	41	19.6	69	88	36	0	0	0	1	0	0	
IN EVANSVILLE	71	49	73	42	60	0	.3	-2.2	.3	3.2	94	28.9	87	84	39	0	0	0	1	0	0	
FORT WAYNE	65	44	73	37	54	-2	.7	-.2	.7	6.8	202	32.1	116	92	49	0	0	0	2	1	0	
INDIANAPOLIS	67	46	71	40	56	-2	1.1	-.5	1.0	4.4	127	32.6	104	91	50	0	0	0	2	1	0	
SOUTH BEND	65	44	71	37	54	-2	.2	-.6	.1	9.0	212	27.7	92	92	46	0	0	0	3	0	0	
IA DES MOINES	68	48	78	41	58	1	.2	-.3	.2	5.2	137	26.0	97	88	53	0	0	0	1	0	0	
SIOUX CITY	61	45	79	36	53	-4	3.4	3.0	2.2	6.2	199	27.9	123	98	61	0	0	0	3	2	0	
WATERLOO	68	44	77	34	56	-2	.3	-.3	.3	2.5	59	23.3	82	93	50	0	0	0	1	0	0	
KS CONCORDIA	68	42	82	32	55	-6	2.8	2.3	2.0	5.7	155	35.8	147	87	46	0	2	2	2	2	0	
DODGE CITY	74	44	88	33	59	-3	.6	-.3	.6	1.1	47	19.0	104	78	27	0	0	0	1	1	0	
GOODLAND	63	38	85	30	51	-6	.9	-.7	.6	4.5	258	24.8	170	88	41	0	1	2	1	1	0	
TOPEKA	72	42	85	33	57	-4	.9	-.2	.5	4.8	108	28.1	98	100	45	0	0	0	2	0	0	
WICHITA	73	44	83	34	59	-4	1.6	1.0	1.6	4.5	104	27.7	112	92	39	0	0	0	2	1	0	
KY BOWLING GREEN	70	47	73	42	59	-3	.6	-.0	.4	4.6	113	30.5	79	96	51	0	0	0	3	0	0	
LEXINGTON	69	48	73	40	58	-3	.3	-.2	.3	3.8	95	43.5	117	85	45	0	0	0	2	0	0	
LOUISVILLE	71	49	75	43	60	0	.5	-.1	.5	4.0	97	34.0	98	87	44	0	0	0	1	1	0	
LA BATON ROUGE	81	57	85	51	69	-1	.1	-.5	.1	1.6	30	56.4	125	99	48	0	0	0	1	0	0	
LAKE CHARLES	83	57	86	51	70	0	.3	-.6	.3	3.8	55	49.4	116	98	42	0	0	0	1	0	0	
NEW ORLEANS	80	60	82	57	70	0	.7	-.6	.7	6.8	98	60.6	124	99	52	0	0	0	1	0	0	
SHREVEPORT	81	50	86	39	65	-4	.1	-.5	.1	5.2	127	36.8	107	92	34	0	0	0	2	0	0	

Based on 1951-80 normals.

Weather Data for the Week Ending October 10, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	57	35	64	29	46	0	.5	-.2	.4	2.1	48	30.3	108	90	51	0	0	0	0	0	0	0
PORTLAND	61	41	69	35	51	0	2.0	-.2	.5	3.7	84	30.1	95	87	47	0	3	2	1	1	1	1
MD BALTIMORE	68	47	73	36	57	0	1.7	1.3	2.0	7.9	179	30.1	91	96	55	0	0	0	1	1	1	1
SALISBURY	69	45	77	34	57	0	1.7	-.2	.6	7.2	141	36.0	99	100	55	0	0	0	2	2	2	2
MA BOSTON	64	47	73	39	55	0	1.5	-.3	.6	4.1	93	28.3	87	78	49	0	0	0	2	2	2	2
CHATHAM	61	48	66	42	54	0	1.5	-.1	.5	2.5	52	29.4	84	78	61	0	0	0	1	1	1	1
MI ALPENA	62	37	68	27	50	0	1.8	-.3	.7	3.3	98	19.6	84	96	50	0	0	0	2	2	2	2
DETROIT	64	44	68	39	53	0	1.7	-.2	.6	6.2	216	29.3	119	91	49	0	0	0	3	3	3	3
FLINT	63	42	70	33	53	0	1.6	-.3	.7	3.3	109	29.1	125	94	46	0	0	0	2	2	2	2
GRAND RAPIDS	62	39	67	31	51	0	1.2	-.6	.0	6.7	152	31.5	119	94	49	0	0	0	2	2	2	2
HOUGHTON LAKE	62	39	67	31	51	0	1.2	-.6	.0	6.7	152	31.5	119	94	49	0	0	0	2	2	2	2
LANSING	63	41	70	32	52	0	1.7	-.2	.7	3.9	108	27.3	115	94	49	0	0	0	2	2	3	3
MARQUETTE	56	39	65	28	48	0	1.2	-.6	.1	3.5	70	22.8	76	97	73	0	0	0	2	3	3	3
MUSKOGON	64	42	70	33	53	-1	1.6	-.0	.3	4.2	109	18.9	79	94	46	0	0	0	2	3	3	3
SAULT ST. MARIE	62	41	68	36	52	-1	1.8	-.2	.4	6.5	135	24.9	97	95	56	0	0	0	3	3	3	3
MN ALEXANDRIA	57	42	73	36	50	-1	1.1	-.4	.1	1.4	47	16.7	78	85	46	0	0	0	0	0	0	0
DULUTH	53	41	63	39	47	-1	1.9	-.3	.3	4.8	120	25.4	101	94	58	0	0	0	5	5	5	5
INT'L FALLS	59	37	72	30	48	2	1.8	-.4	.7	2.4	62	20.5	98	89	45	0	0	0	1	1	1	1
MINNEAPOLIS	59	46	73	41	53	2	1.0	1.3	.7	7.0	225	26.4	115	90	61	0	0	0	4	4	4	4
ROCHESTER	59	42	70	32	50	0	1.0	-.5	.5	6.0	143	21.5	87	94	62	0	0	0	1	1	1	1
MS GREENWOOD	80	50	83	40	65	0	1.4	-.6	.7	2.2	52	33.6	82	96	38	0	0	0	0	0	0	0
JACKSON	79	49	82	40	64	0	1.6	-.1	.6	4.4	104	34.9	85	99	41	0	0	0	1	1	1	1
MERIDIAN	79	52	83	46	65	0	1.8	-.2	.8	1.8	40	47.6	112	94	43	0	0	0	1	1	1	1
MO CAPE GIRARDEAU	71	47	75	38	59	0	1.2	-.5	.7	5.4	119	28.3	79	86	36	0	0	0	0	0	0	0
COLUMBIA	72	47	82	41	60	0	1.4	-.4	.4	4.6	92	23.0	75	95	48	0	0	0	1	1	1	1
KANSAS CITY	71	46	83	35	58	-4	1.0	-.1	.6	6.7	121	41.3	133	98	51	0	0	0	2	2	2	2
SAINT LOUIS	71	51	79	47	61	0	1.1	-.5	.7	3.0	87	22.3	81	78	35	0	0	0	1	1	1	1
SPRINGFIELD	71	47	80	37	59	0	1.1	-.6	.1	7.5	140	34.0	106	85	42	0	0	0	2	2	2	2
MT BILLINGS	58	39	68	28	49	0	1.2	-.1	.1	1.1	47	10.4	83	75	35	0	0	0	0	0	0	0
GLASGOW	59	36	73	28	47	0	1.5	-.4	.4	9.9	82	8.0	81	91	36	0	0	0	3	3	3	3
GREAT FALLS	56	37	67	31	46	0	1.3	-.3	.8	1.3	102	12.3	95	86	44	0	0	0	2	2	2	2
HAVRE	57	36	69	29	47	0	1.3	-.9	.3	1.1	90	7.3	70	89	44	0	0	0	2	2	2	2
HELENA	57	36	65	21	46	0	1.3	-.3	.3	7.7	77	7.4	75	85	42	0	0	0	2	2	2	2
KALISPELL	60	33	63	22	47	0	1.1	-.6	.7	8.8	77	7.4	75	85	42	0	0	0	2	2	2	2
MILES CITY	61	40	79	32	50	0	1.0	-.2	.1	1.1	77	12.9	105	92	35	0	0	0	3	3	3	3
MISSOULA	61	36	64	24	49	-2	1.0	-.8	.8	2.3	163	13.5	109	86	35	0	0	0	1	3	3	3
NE GRAND ISLAND	62	39	83	29	51	0	1.7	-.2	.7	7.7	57	9.3	89	77	31	0	0	0	2	2	2	2
LINCOLN	68	42	86	36	55	-3	2.3	2.0	1.2	3.4	116	28.6	136	92	47	0	0	0	1	3	3	3
NORFOLK	62	40	84	30	51	-4	1.5	1.0	1.1	4.1	115	23.2	95	92	44	0	0	0	2	2	2	2
NORTH PLATTE	61	35	84	27	48	0	3.0	2.7	2.1	5.9	230	26.8	125	95	50	0	0	0	1	3	3	3
OMAHA	65	47	80	38	56	0	1.6	-.4	.5	9.9	43	22.2	125	91	44	0	0	0	3	3	3	3
SCOTTSBLUFF	61	35	79	23	48	0	2.7	2.1	1.8	7.3	171	31.6	117	93	63	0	0	0	2	2	2	2
VALENTINE	61	35	79	23	48	0	1.6	-.4	.5	8.8	59	13.6	104	89	35	0	0	0	2	2	2	2
NV ELY	68	24	73	13	46	0	1.2	-.1	.1	1.5	91	17.4	110	80	38	0	0	0	3	3	3	3
LAS VEGAS	87	57	90	51	72	0	1.0	-.1	.0	3.3	28	7.4	102	51	15	0	0	0	7	7	7	7
RENO	76	38	81	33	57	0	1.0	-.1	.0	0.0	0	6.9	222	22	9	1	0	0	0	0	0	0
WINNEMUCCA	72	27	78	22	50	0	1.0	-.1	.0	0.0	0	3.0	57	65	17	0	0	0	0	0	0	0
NH CONCORD	65	31	72	23	48	0	1.0	-.1	.0	3.2	31	2.1	38	64	18	0	0	0	7	7	7	7
NJ ATLANTIC CITY	68	43	76	32	55	0	1.9	-.2	.7	3.4	83	22.5	82	97	39	0	0	0	5	5	5	5
NM ALBUQUERQUE	76	45	81	35	61	-1	1.2	-.5	.1	5.2	138	28.8	89	98	49	0	0	0	1	2	2	2
CLOVIS	75	45	85	31	60	0	1.0	-.2	.0	8.7	72	9.1	140	36	12	0	0	0	0	0	0	0
ROSWELL	82	45	91	34	63	0	1.0	-.5	.0	1.2	47	19.3	129	61	18	0	0	0	1	0	0	0
NY ALBANY	64	36	70	27	50	0	1.0	-.3	.0	1.1	5	12.0	130	56	16	2	0	0	0	0	0	0
BINGHAMTON	59	37	66	28	48	0	1.8	-.2	.8	3.3	79	22.7	82	96	42	0	0	0	3	3	3	3
BUFFALO	65	42	73	32	53	0	1.0	-.3	1.0	4.5	106	31.8	110	90	46	0	0	0	2	1	1	1
NEW YORK	67	51	74	42	59	-1	1.7	-.1	.5	6.3	148	36.8	129	90	37	0	0	0	1	3	3	3
ROCHESTER	62	40	70	32	51	0	1.5	-.2	.5	3.1	69	26.2	79	82	46	0	0	0	0	2	2	2
SYRACUSE	63	40	70	32	51	0	1.6	-.0	.5	3.6	103	29.2	120	96	45	0	0	0	1	2	2	2
NC ASHEVILLE	65	45	74	36	55	-4	2.7	2.0	1.8	4.9	117	35.0	116	94	43	0	0	0	3	3	3	3
CHARLOTTE	69	51	80	45	60	-4	2.7	2.0	1.8	5.9	123	41.7	117	98	59	0	0	0	0	4	4	4
GREENSBORO	68	48	79	39	58	0	5.5	4.9	4.1	13.8	309	44.5	127	93	56	0	0	0	0	4	4	4
HATTERAS	73	63	79	60	68	0	2.2	1.5	1.6	5.3	132	34.0	99	94	56	0	0	0	0	4	4	4
NEW BERN	68	63	79	60	68	0	3.7	2.6	3.7	9.9	135	51.3	118	92	69	0	0	0	0	2	2	2
RALEIGH	74	57	82	50	65	-1	1.3	-.4	.9	3.5	50	41.6	94	96	60	0	0	0	0	4	4	4
WILMINGTON	70	51	79	42	61	-2	2.0	1.4	1.9	4.2	102	33.9	100	99	59	0	0	0	0	2	2	2
ND BISMARCK	75	57	80	49	66	-1	2.8	2.1	2.0	5.1	75	54.3	121	94	63	0	0	0	0	3	3	3
FARGO	62	30	83	20	46	-4	T	-.2	T	1.3	78	11.1	81	84	31	0	0	0	5	5	5	5
GRAND FORKS	61	40	73	32	50	0	T	-.3	T	2.6	111	17.9	104	77	35	0	0	0	1	0	0	0
WILLISTON	63	38	73	29	50	1	T	-.3	T	1.5	60	15.3	95	81	36	0	0	0	1	0	0	0
OH AKRON-CANTON	62	33	84	26	47	-2	1.1	-.1	.1	9.9	55	10.9	90	83	28	0	0	0	5	2	2	2
CINCINNATI	65	43	69	36	54	-2	1.5	-.0	.3	4.2	115	36.2	125	92	41	0	0	0	0	2	2	2
CLEVELAND	66	46	71	41	56	-3	1.6	-.0	.6													

Weather Data for the Week Ending October 10, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	63	42	73	35	53	-3	.5	.0	.4	4.5	144	27.7	110	95	52	0	0	2	0
YOUNGSTOWN	65	40	70	31	53	-2	1.0	.4	.5	5.6	143	33.5	112	98	40	0	1	3	1
OK OKLAHOMA CITY	77	46	83	39	62	-14	1.0	.7	.5	2.9	66	31.1	117	87	33	0	0	1	0
TULSA	75	45	81	37	60	-16	.6	.6	.6	3.3	58	30.5	95	91	35	0	0	1	1
OR ASTORIA	65	41	73	34	53	-11	.1	-1.1	-1.1	2.8	57	28.6	66	96	48	0	0	1	0
BURNS	65	32	71	28	49	-22	.0	.0	.0	.8	111	6.8	99	80	26	0	4	0	0
MEDFORD	81	39	87	38	60	-3	.0	.3	.0	.5	44	8.0	66	91	23	0	0	0	0
PENDLETON	67	42	75	37	55	-11	.0	.0	.0	.9	107	6.0	72	76	32	0	0	0	0
PORTLAND	69	43	75	41	56	-10	.0	.0	.0	1.6	64	17.1	73	95	39	0	0	0	0
SALEM	70	39	75	36	55	-11	.0	.0	.0	1.2	48	17.7	71	91	38	0	0	0	0
PA ALLENTOWN	67	42	71	32	54	-2	1.0	.0	1.0	4.4	89	29.5	85	95	44	0	1	2	1
ERIE	64	46	74	38	55	-2	.4	.1	.4	7.7	151	32.3	106	82	42	0	0	3	0
HARRISBURG	66	42	72	16	54	-14	1.3	.9	1.3	6.9	155	25.6	83	89	49	0	1	1	1
PHILADELPHIA	69	50	77	42	59	-2	.6	-1.1	.5	3.6	84	21.9	67	87	44	0	0	2	1
PITTSBURGH	67	42	72	37	55	-11	.7	-1.1	.5	3.6	101	29.7	100	90	39	0	0	3	1
SCRANTON	65	41	70	31	53	-11	1.1	.5	1.1	3.7	91	22.3	81	95	45	0	1	1	1
RI PROVIDENCE	66	43	72	36	54	-11	.6	-1.2	.6	5.7	92	34.6	102	92	46	0	0	2	1
SC CHARLESTON	76	60	82	53	68	-2	3.9	3.2	2.5	7.9	132	46.7	105	95	63	0	0	4	2
COLUMBIA	75	54	86	46	64	-2	3.0	2.3	2.0	8.2	161	42.1	101	96	60	0	0	4	2
FLORENCE	75	56	80	47	65	-1	3.5	2.9	2.7	8.2	168	40.7	109	94	61	0	0	4	1
GREENVILLE	67	46	76	41	57	-7	6.0	5.2	2.8	10.5	180	47.5	114	97	58	0	0	4	2
SD ABERDEEN	61	38	80	35	50	-2	.0	.3	.0	1.6	89	14.6	92	78	34	0	0	0	0
HURON	60	39	78	32	50	-3	.0	.3	.0	2.6	142	20.8	127	83	40	0	2	1	0
RAPID CITY	60	35	84	28	47	-16	.2	.0	.0	.6	50	12.1	83	79	33	0	3	3	0
SIOUX FALLS	59	43	77	36	51	-2	2.2	1.8	1.2	5.3	158	30.1	141	93	56	0	0	4	2
TN CHATTANOOGA	69	49	72	41	59	-5	2.6	1.9	1.8	7.5	144	42.7	103	100	56	0	0	5	1
KNOXVILLE	68	48	71	40	58	-5	1.7	1.1	1.3	3.4	91	31.9	86	100	63	0	0	4	1
MEMPHIS	75	53	80	45	64	-2	.1	-.4	.1	3.7	87	35.3	86	86	39	0	0	1	0
NASHVILLE	70	49	73	43	60	-4	.6	.0	.5	4.1	91	31.5	82	93	54	0	0	4	1
TX ABILENE	83	51	89	38	67	-2	.0	-.6	.0	1.8	47	23.1	117	66	21	0	0	0	0
AMARILLO	76	42	88	31	59	-3	.1	-.2	.1	.3	14	19.1	112	63	20	0	1	1	0
AUSTIN	86	57	90	51	72	-1	.5	-.3	.5	2.5	52	38.2	153	89	31	2	0	0	1
BEAUMONT	83	59	86	52	71	-2	.0	-.9	.0	2.1	32	48.9	112	96	41	0	0	0	0
BROWNSVILLE	85	65	89	57	75	-2	.0	-.9	.0	3.6	55	24.5	119	93	51	0	0	1	0
CORPUS CHRISTI	85	63	88	56	74	-2	.2	-.6	.1	4.5	57	35.2	130	94	48	0	0	2	0
DEL RIO	87	57	94	51	72	-2	.0	-.6	.0	.4	11	18.6	128	61	24	3	0	0	0
EL PASO	84	48	91	39	66	-1	.0	-.2	.0	.2	9	9.5	146	38	13	1	0	0	0
FORT WORTH	83	54	88	47	68	-3	.4	-.3	.4	3.7	81	31.8	125	81	28	0	0	1	0
GALVESTON	80	69	83	59	74	-1	.0	-.7	.0	4.2	59	40.5	125	85	54	0	0	0	0
HOUSTON	84	56	89	51	70	-3	.4	-.5	.2	1.5	23	42.3	116	98	41	0	0	2	0
LUBBOCK	80	45	90	32	63	-1	.0	-.5	.0	.7	26	19.6	127	63	20	1	1	0	0
MIDLAND	82	46	88	35	64	-4	.0	-.4	.0	.2	6	20.1	172	65	18	0	0	0	0
SAN ANGELO	85	48	91	40	67	-3	.0	-.5	.0	.3	7	18.0	118	71	18	2	0	0	0
SAN ANTONIO	87	57	94	49	72	-1	.0	-.7	.0	1.1	23	39.9	170	83	31	2	0	0	0
VICTORIA	87	59	92	55	73	-2	.0	-.9	.0	3.6	48	44.2	144	97	37	2	0	0	0
WACO	87	51	92	46	69	-3	.3	-.4	.3	2.5	59	30.0	121	85	27	2	0	1	0
WICHITA FALLS	83	49	90	41	66	-3	.0	-.7	.0	1.7	40	22.1	99	83	25	1	0	0	0
UT CEDAR CITY	71	35	75	29	53	-2	.0	-.2	.0	.2	16	8.6	106	53	15	0	2	0	0
SALT LAKE CITY	66	41	70	36	53	-3	.0	-.3	.0	.6	45	7.6	64	71	25	0	0	0	0
VT BURLINGTON	61	36	71	28	48	-2	1.2	.5	1.2	5.9	145	24.4	92	99	44	0	4	1	1
VA NORFOLK	69	57	79	51	63	-1	1.0	.2	1.0	3.1	56	38.0	103	91	61	0	0	2	1
RICHMOND	69	49	78	39	59	-3	.7	-.1	.6	3.1	65	35.1	101	98	56	0	0	2	1
ROANOKE	67	45	78	34	56	-4	1.4	.6	.9	3.5	82	34.2	110	96	51	0	0	3	1
WA QUILLAYUTE	63	41	70	34	52	-2	.1	-.2	.1	5.8	62	58.0	84	95	52	0	0	1	0
SEATTLE-TACOMA	64	47	68	41	55	-1	.1	-.6	.1	1.6	53	21.2	88	90	47	0	0	1	0
SPOKANE	63	38	68	32	51	-2	.0	-.2	.0	.5	48	8.7	77	77	30	0	1	0	0
YAKIMA	69	35	73	31	52	-1	.0	-.1	.0	.3	60	4.3	82	87	29	0	1	0	0
WV BECKLEY	65	43	69	36	54	-2	.8	.1	.5	2.4	53	31.4	91	92	45	0	0	3	1
CHARLESTON	70	43	78	36	57	-2	.5	.0	.4	1.9	51	33.0	96	97	42	0	0	4	0
HUNTINGTON	70	45	74	38	57	-2	.6	.1	.6	1.8	48	31.0	93	95	47	0	0	3	1
PARKERSBURG	70	44	75	35	57	-2	.3	-.2	.2	2.7	76	29.1	94	95	39	0	0	3	0
WI GREEN BAY	62	44	70	40	53	-1	.3	-.3	.2	5.9	152	22.1	95	96	61	0	0	3	0
LACROSSE	64	47	70	41	56	-1	.2	-.4	.1	7.2	171	26.3	100	90	45	0	0	2	0
MADISON	63	42	69	37	53	-2	.3	-.3	.2	6.3	165	24.2	93	88	50	0	0	2	0
MILWAUKEE	62	45	69	41	53	-1	.2	-.4	.1	4.3	119	24.8	98	90	52	0	0	3	0
WAUSAU	59	43	68	37	51	-2	1.6	1.0	.8	10.1	214	27.9	103	95	58	0	0	4	1
WY CASPER	61	33	69	27	47	-3	.2	.0	.2	.5	48	7.6	80	84	29	0	2	1	0
CHEYENNE	56	33	73	25	45	-6	.2	.0	.1	.2	15	10.5	88	83	36	0	4	3	0
LANDER	60	34	68	28	47	-3	.4	.1	.4	.4	29	10.6	97	72	30	0	2	1	0
SHERIDAN	61	36	72	23	49	-2	.1	-.2	.0	.5	32	11.7	92	83	30	0	2	3	0

Based on 1951-80 normals.

September Weather in Historical Perspective

On a national basis, September 1992 was dry with normal temperatures. Precipitation was the 31st lowest since 1895 (fig. 1), with the westernmost regions noting extreme dryness (table 1). The national average temperature of 65.2°F matched the normal value (fig. 2), although the Southwestern States were quite hot and the Central States were rather cool.

Two regions (East North Central and Central) recorded temperatures in the coldest third of the September rankings along with wet conditions (table 1). Conversely, the West (21st warmest, 8th driest) and Southwest (23rd warmest, 5th driest) regions had warmer-than-normal weather accompanied by extreme dryness. The Southwest received adequate to surplus moisture in previous months, but the West region (CA and NV) officially concluded its sixth water year (October 1 - September 30) of drought.

As the growing season and harvest wind down in upcoming weeks, focus will turn to the drought-ravaged Western and Northwestern States. California, because of its population of more than 30 million and extensive agriculture, is traditionally the most closely watched State. The California rainy season typically begins during October and ends during April, with a rainfall maximum in January.

Precipitation during the drought (October 1, 1986, to date) in California has been approximately three-quarters of the 98-year normal value. Water years 1988 and 1992 were the "wettest" during the drought, with precipitation slightly above 80 percent of normal (fig. 3). Water year 1987 was the driest of the 6 years (and fourth driest on record), with 60 percent of the normal accumulation.

Figure 1

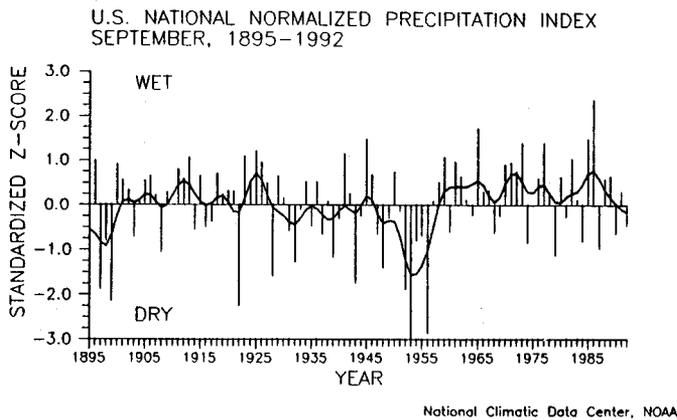


Figure 2

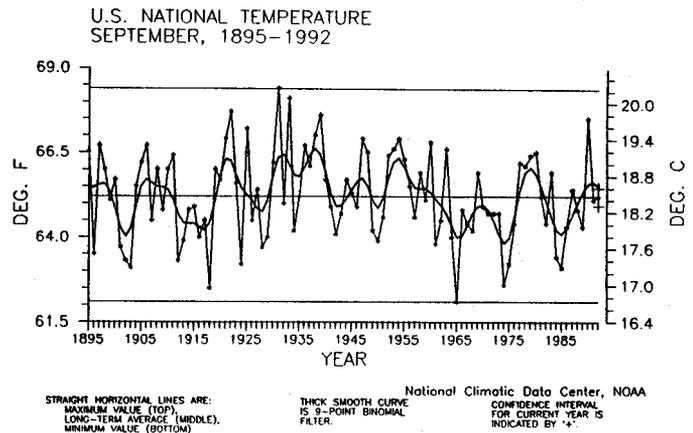
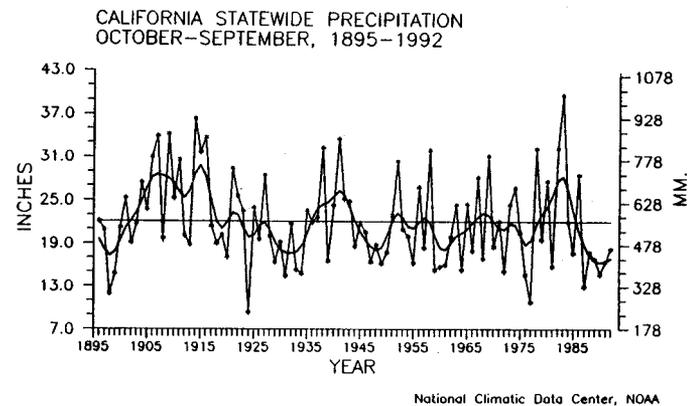


TABLE 1. TEMPERATURE AND PRECIPITATION RANKINGS FOR SEPTEMBER 1992, BASED ON THE PERIOD 1895-1992. 1 = DRIEST/COLDEST, 98 = WETTEST/HOTTEST.

REGION	PRECIPITATION	TEMPERATURE
NORTHEAST	63	36
EAST NORTH CENTRAL	80	24
CENTRAL	70	22
SOUTHEAST	44	45
WEST NORTH CENTRAL	26	50
SOUTH	33	48
SOUTHWEST	5	76
NORTHWEST	30	38
WEST	8	78
NATIONAL	31	51

Figure 3



HEATING DEGREE DAYS (Base 65° F) September 1992

STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL
AL BIRMINGHAM	6	-1	SHREVEPORT	2	2	DAYTON	110	40
MOBILE	0	0	ME CARIBOU	273	-69	TOLEDO	146	33
MONTGOMERY	1	1	PORTLAND	208	7	YOUNGSTOWN	168	38
AK ANCHORAGE	720	216	MD BALTIMORE	51	22	OK OKLAHOMA CITY	5	-9
BARROW	1193	161	SALISBURY	40	14	TULSA	9	-9
FAIRBANKS	975	372	MA BOSTON	109	29	OR ASTORIA	253	54
JUNEAU	540	66	CHATHAM	124	3	BURNS	268	53
KODIAK	546	93	MI ALPENA	286	30	MEDFORD	35	-57
NOME	934	253	DETROIT	153	47	PENDLETON	129	9
AZ FLAGSTAFF	163	-66	FLINT	193	49	PORTLAND	107	-4
PHOENIX	0	0	GRAND RAPIDS	197	67	SALEM	108	-23
PRESCOTT	2	-51	HOUGHTON LAKE	257	15	PA ALLENTOWN	110	25
TUCSON	0	0	LANSING	224	92	ERIE	110	-20
WINSLOW	7	-5	MARQUETTE	340	10	HARRISBURG	86	26
YUMA	0	0	MUSKEGON	185	53	PHILADELPHIA	49	16
AR FORT SMITH	19	6	SAULT ST MARIE	326	20	PITTSBURGH	116	15
LITTLE ROCK	17	8	MN ALEXANDRIA	201	-32	SCRANTON	132	15
CA BAKERSFIELD	0	0	DULUTH	332	-2	RI PROVIDENCE	100	6
EUREKA	220	-26	INT'L FALLS	354	12	SC CHARLESTON	3	3
FRESNO	0	0	MINNEAPOLIS	182	22	COLUMBIA	17	17
LOS ANGELES	0	-22	ROCHESTER	226	38	FLORENCE	9	9
REDDING	0	0	SAINT CLOUD	252	12	GREENVILLE	19	12
SACRAMENTO	0	-6	MS GREENWOOD	8	-1	SD ABERDEEN	206	9
SAN DIEGO	0	-4	JACKSON	1	1	HURON	177	6
SAN FRANCISCO	34	-46	MERIDIAN	0	-5	RAPID CITY	138	-50
STOCKTON	0	0	MO CAPE GIRARDEAU	44	23	SIOUX FALLS	159	-2
CO DENVER	58	-77	COLUMBIA	88	41	TN CHATTANOOGA	8	-3
GRAND JCT.	25	-41	KANSAS CITY	80	39	KNOXVILLE	13	-1
PUEBLO	58	-31	SAINT LOUIS	46	5	MEMPHIS	15	6
CT BRIDGEPORT	80	31	SPRINGFIELD	66	23	NASHVILLE	26	7
HARTFORD	138	36	MT BILLINGS	166	-48	TX ABILENE	0	-6
DE WILMINGTON	57	21	GLASGOW	256	-4	AMARILLO	21	-7
DC WASHINGTON	43	29	GREAT FALLS	260	-8	AUSTIN	0	0
FL APALACHICOLA	0	0	HAVRE	301	22	BEAUMONT	0	0
DAYTONA BEACH	0	0	HELENA	246	-62	BROWNSVILLE	0	0
FORT MYERS	0	0	KALISPELL	390	45	CORPUS CHRISTI	0	0
JACKSONVILLE	0	0	MILES CITY	160	-55	DEL RIO	0	0
KEY WEST	0	0	MISSOULA	304	15	EL PASO	0	0
MIAMI	0	0	NE GRAND ISLAND	92	-12	FORT WORTH	0	0
ORLANDO	0	0	LINCOLN	90	11	GALVESTON	0	0
TALLAHASSEE	0	0	NORFOLK	119	-6	HOUSTON	0	0
TAMPA	0	0	NORTH PLATTE	113	-38	LUBBOCK	0	-13
W. PALM BEACH	0	0	OMAHA	95	22	MIDLAND-ODESSA	1	-10
GA ATLANTA	12	4	SCOTTSBLUFF	107	-65	SAN ANGELO	0	0
AUGUSTA	9	9	VALENTINE	141	-20	SAN ANTONIO	0	0
MACON	6	6	NV ELY	210	-51	VICTORIA	0	0
SAVANNAH	1	1	LAS VEGAS	0	0	WACO	1	1
ID BOISE	118	-16	RENO	41	-130	WICHITA FALLS	1	-15
LEWISTON	122	-7	WINNEMUCA	124	-69	UT BLANDING	52	-52
POCATELLO	175	-34	NH CONCORD	203	12	CEDAR CITY	49	-65
IL CHICAGO	136	61	NJ ATLANTIC CITY	73	46	SALT LAKE CITY	42	-55
MOLINE	147	74	NM ALBUQUERQUE	8	-4	VT BURLINGTON	197	-5
PEORIA	109	44	CLOVIS	17	-15	VA LYNCHBURG	48	16
QUINCY	116	58	ROSWELL	0	-9	NORFOLK	9	0
ROCKFORD	165	66	NY ALBANY	167	18	RICHMOND	37	13
SPRINGFIELD	82	34	BINGHAMTON	215	37	ROANOKE	55	17
IN EVANSVILLE	46	7	BUFFALO	148	12	WA COLVILLE	294	60
FORT WAYNE	131	32	NEW YORK	47	12	QUILLAYUTE	299	47
INDIANAPOLIS	88	26	ROCHESTER	172	40	SEATTLE-TACOMA	151	-18
SOUTH BEND	139	51	SYRACUSE	164	31	SPOKANE	232	23
IA DES MOINES	135	55	NC ASHEVILLE	34	-22	YAKIMA	184	23
DUBUQUE	201	77	CAPE HATTERAS	2	2	WV BECKLEY	98	-12
SIOUX CITY	140	46	CHARLOTTE	20	10	CHARLESTON	67	15
WATERLOO	178	41	GREENSBORO	38	26	HUNTINGTON	59	-3
KS CONCORDIA	67	2	NEW BERN	8	2	PARKERSBURG	87	28
DODGE CITY	40	-3	RALEIGH-DURHAM	29	20	WI GREEN BAY	209	17
GOODLAND	88	-26	WILMINGTON	4	4	LA CROSSE	155	20
TOPEKA	68	17	ND BISMARCK	256	1	MADISON	176	15
WICHITA	25	-14	FARGO	252	16	MILWAUKEE	145	28
KY BOWLING GREEN	47	16	GRAND FORKS	291	13	WAUSAU	258	32
LEXINGTON	64	18	WILLISTON	296	19	WY CASPER	136	-104
LOUISVILLE	40	7	OH AKRON-CANTON	145	37	CHEYENNE	161	-74
LA BATON ROUGE	0	0	CLEVELAND	118	19	LANDER	150	-91
LAKE CHARLES	0	0	COLUMBUS	101	23	SHERIDAN	199	1
NEW ORLEANS	0	0	CINCINNATI	97	44			

Based on 1951-80 normals.

National Agricultural Summary

October 5 - 11, 1992

HIGHLIGHTS: Soybean harvest progressed well although a major midweek system brought precipitation across the central Plains. Cool weather continued to delay crop development, especially in the Ohio Valley. Heavy rains over much of the Southeast further delayed field activities.

SMALL GRAINS: Favorable conditions allowed winter wheat seedings to remain slightly ahead of last year. Seeding reached 75 percent (%) complete in the 19 major producing States, compared with 74% last year and 72% for the 5-year average. Seeding progress, while still behind normal in the Mississippi and Ohio Valleys, made substantial progress. Oats harvest was still active in New York and Maine. Oats and barley seeding was delayed by rains in the southeast.

CORN: Corn harvest advanced slightly but remained behind last year's pace in 16 of the 17 major States. Harvest was 16% complete in the 17 major producing States, compared with 62% last year and 48% average. Eighty-two percent of the crop was fully mature, compared with 97% last year and 91% average. Crop condition remained unchanged from last week as cool temperatures continued to hinder the crop.

SOYBEANS: Relatively good weather in the northern producing States allowed the harvest to advance rapidly. Rains in the extreme Southeast continued to hamper harvest. Harvest was 45% complete in the 19 major States, 10 percentage points behind last year and 6 points behind the average. Leaves were dropping on 89% of the acreage, compared with 90% last year and 88% average. Crop condition ratings continued mostly fair in Louisiana, Minnesota, and South Carolina, and good in the other major States.

COTTON: Dry weather, across the West, through the western Gulf States, allowed the cotton harvest to advance. Twenty-seven percent of the crop was harvested, compared to 32% last year and 31% average. Cotton boll openings were reported on 71% of the acreage, compared to 78% last year and average. Cool weather has hindered the crop in Texas and Oklahoma, while rains in the southeast have delayed harvest in the Southern Atlantic Coast States.

SORGHUM: Continued cool weather over the major sorghum-producing areas delayed crop progress. Only 66% of the crop is rated mature, compared to 90% last year and 85% average. Maturity was behind in the Great Plains but normal elsewhere. Sorghum harvest, also, was well behind last year's pace. Thirty-six percent of the crop was harvested, compared to 61% last year and 50% average. Harvest was well underway in Texas, but well behind normal in Kansas and Nebraska.

RICE: Rice harvest was completed in Texas, but ahead of normal in the other major producing States. Acreage was 92% harvested, compared to 81% last year and 82% average.

OTHER FIELD CROPS: Sugar beet harvest advanced in the Rocky Mountains, Great Plains, and Pacific Northwest, while planting continued in California. Fall potato harvest advanced across the Central, Northern, and Western States. Harvest was over 80% completed in Maine, Idaho, Michigan, Minnesota, and North Dakota. Dry bean harvest continued, though harvest was behind average in Michigan, Minnesota, and North Dakota. Peanut digging continued in the Southeast, Texas, and Oklahoma. Harvest was behind schedule in the East, near normal in the Gulf, and slightly ahead of normal in the Delta. Flax harvest continued and sunflower harvest advanced in the North Central States. However, progress was behind average for both crops. Sweetpotato digging continued in the Delta and East.

FRUIT AND NUTS: Lemon harvest advanced in western and central Arizona and the California desert. Harvest of oranges, tangerines, and grapefruit advanced in Florida and continued in California. Pistachios were harvested in eastern Arizona and continued in California. Pecan harvest started in Georgia and continued in Texas. Apple picking continued active nationwide. Peach harvest neared completion in the Northeast. Cranberry harvest continued in Oregon, Washington, New Jersey, and Massachusetts, with ideal harvesting conditions reported in Washington. Raisin harvest was completed, while juice, wine, and table grape harvests were winding down in California. Some frost damage to grapes was reported in the Finger Lake region of New York.

VEGETABLES: Melon harvest advanced in central Arizona, but had tapered off in California. Onion digging neared completion in the Rocky Mountains and had advanced in the West Coast States and New York. Planting activities increased in Florida, with adequate moisture available. The Rio Grande Valley crop was irrigated due to lack of rainfall. East Texas winter greens also needed rain. Central Valley crops in California progressed well. The planting of desert spring crops was underway in California. Sweet corn harvest advanced in the West. Vegetable harvest neared completion in New Jersey and New York. Processing tomato harvest neared completion in Ohio. Chile harvest advanced in Arizona, New Mexico, and Texas.

PASTURES AND LIVESTOCK: Pastures across the Nation were generally in fair to good condition, except along the Pacific coast where pastures were generally poor. Supplemental feeding was used where conditions warranted. Some cattle were moved from pastures to feedlots. Livestock were generally in good condition nationwide.

Crop Progress

for the Week Ending October 11, 1992

GRAIN SORGHUM (Percent Mature)

	Current	Last Wk	1991	Avg.
AR	100	98	95	97
CO	41	32	69	60
IL	82	74	96	90
KS	45	30	90	75
LA	100	100	97	98
MS	100	100	100	100
MO	88	76	94	88
NE	72	37	100	99
NM	68	19	25	NA
OK	38	33	42	70
SD	58	42	100	99
TX	83	80	89	88
12 States	66	53	89	NA
Excl. States with NA	66	54	90	85

NA - not available.

These 12 States produced 98% of the 1991 grain sorghum crop.

GRAIN SORGHUM (Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	93	88	87	87
CO	14	2	26	19
IL	19	12	62	50
KS	10	5	40	30
LA	98	96	92	95
MS	95	91	84	89
MO	50	32	55	54
NE	7	5	78	54
NM	8	7	3	NA
OK	15	14	9	13
SD	12	0	80	51
TX	75	73	79	69
12 States	36	31	61	NA
Excl. States with NA	36	32	61	50

NA - not available.

These 12 States produced 98% of the 1991 grain sorghum crop.

COTTON (Percent Bolls Opening)

	Current	Last Wk	1991	Avg.
AL	70	63	94	95
AZ	100	100	96	98
AR	89	79	89	92
CA	100	100	100	100
GA	75	69	82	86
LA	100	97	96	98
MS	98	95	95	97
MO	88	69	91	93
NM	87	74	77	82
NC	88	81	98	96
OK	40	32	58	65
SC	93	87	91	92
TX	94	86	95	95
TX	48	39	61	60
14 States	71	63	78	78

These 14 States produced 99% of the 1991 cotton crop.

CORN (Percent Mature)

	Current	Last Wk	1991	Avg.
CO	74	50	79	82
GA	100	100	100	100
IL	93	72	100	100
IN	90	72	100	92
IA	97	84	100	100
KS	95	90	100	99
KY	93	85	96	94
MI	30	15	97	85
MN	75	45	98	98
MO	95	88	100	99
NE	92	81	100	99
NC	100	100	100	100
OH	65	45	100	74
PA	37	25	81	61
SD	64	45	100	99
TX	97	90	98	100
WI	40	27	92	89
17 States	82	66	98	95

These 17 States produced 94% of the 1991 corn crop.

CORN (Percent Harvested)

	Current	Last Wk	1991	Avg.
CO	9	4	11	10
GA	91	85	100	96
IL	14	6	86	59
IN	12	7	74	42
IA	12	8	43	50
KS	55	45	85	65
KY	45	36	74	60
MI	5	3	35	15
MN	5	2	45	45
MO	37	28	79	70
NE	10	5	68	45
NC	72	57	83	72
OH	7	5	59	28
PA	4	2	28	14
SD	9	6	73	47
TX	91	79	87	92
WI	3	1	30	26
17 States	16	11	62	48

These 17 States produced 94% of the 1991 corn crop.

COTTON (Percent Harvested)

	Current	Last Wk	1991	Avg.
AL	21	8	57	54
AZ	40	28	22	22
AR	22	9	50	44
CA	30	15	5	9
GA	9	7	27	37
LA	66	29	54	62
MS	34	16	55	56
MO	17	4	60	51
NM	3	1	1	0
NC	6	3	29	20
OK	7	3	2	4
SC	9	5	28	32
TX	17	8	53	47
TX	24	23	25	21
14 States	27	18	32	31

These 14 States produced 99% of the 1991 cotton crop.

WINTER WHEAT (Percent Planted)

	Current	Last Wk	1991	Avg.
AR	16	7	15	13
CA	1	0	0	1
CO	97	96	94	93
GA	6	4	8	6
ID	87	80	72	78
IL	41	10	54	50
IN	48	16	58	49
KS	90	70	85	85
MI	65	40	75	65
MO	31	13	31	38
MT	83	79	90	92
NE	99	98	100	98
NC	14	12	18	13
OH	45	13	64	40
OK	74	63	80	71
OR	57	36	54	44
SD	98	94	95	96
TX	71	64	65	71
WA	96	85	73	80
19 States	75	62	74	72

These 19 States produced 92% of the 1991 winter wheat crop.

SOYBEANS (Percent Dropping Leaves)

	Current	Last Wk	1991	Avg.
AL	61	42	63	64
AR	49	30	50	44
GA	70	55	88	79
IL	98	87	100	96
IN	99	97	100	93
IA	99	96	100	100
KS	90	85	98	90
KY	64	51	74	69
LA	81	59	44	62
MI	99	95	99	98
MN	99	97	100	100
MS	69	59	61	69
MO	93	76	83	84
NE	100	97	100	99
NC	44	27	56	39
OH	98	94	100	93
SC	20	13	29	29
SD	95	87	100	100
TN	61	45	62	70
19 States	89	81	90	88

These 19 States produced 95% of the 1991 soybean crop.

SOYBEANS (Percent Harvested)

	Current	Last Wk	1991	Avg.
AL	9	2	10	18
AR	16	9	16	11
GA	3	2	7	9
IL	68	34	81	69
IN	56	24	72	50
IA	61	25	61	77
KS	50	25	60	35
KY	14	7	16	14
LA	38	20	17	31
MI	15	10	50	25
MN	52	30	71	82
MS	22	13	18	23
MO	39	16	34	32
NE	61	30	86	67
NC	2	1	5	4
OH	40	16	68	44
SC	1	0	1	0
SD	38	18	87	82
TN	7	2	8	11
19 States	45	21	55	51

These 19 States produced 95% of the 1991 soybean crop.

RICE
(Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	91	84	82	81
CA	80	55	50	47
LA	98	94	96	97
MS	88	78	65	84
TX	100	100	100	100

5 States 92 83 81 82

These 5 States produced 97% of the 1991 rice crop.

Crop Condition
(Percent)

for the Week Ending October 11, 1992

CORN

State	VP	P	F	G	EX
CO	1	5	19	65	10
GA	0	0	15	71	14
IL	0	0	6	78	16
IN	0	0	13	75	12
IA	0	0	8	70	22
KS	0	2	10	31	57
KY	0	0	3	51	46
MI	5	10	25	45	15
MN	11	8	43	37	1
MO	0	0	11	71	18
NE	1	7	12	53	27
NC	0	0	23	62	15
OH	1	4	21	51	23
PA	1	5	22	47	25
SD	1	4	19	62	14
TX	0	3	19	49	29
WI	2	10	34	51	3
17 State	2	3	16	61	18
Prev Week	2	3	16	61	18
Prev Year	N/A	N/A	N/A	N/A	N/A

SOYBEANS

State	VP	P	F	G	EX
AL	0	0	2	73	25
AR	0	0	8	73	19
GA	0	2	14	83	1
IL	0	0	5	75	20
IN	0	1	19	70	10
IA	0	0	11	69	20
KS	0	0	4	19	77
KY	0	0	6	85	9
LA	0	0	65	35	0
MI	3	12	25	45	15
MN	5	11	57	26	1
MS	0	0	7	80	13
MO	0	0	21	64	15
NE	1	2	4	54	39
NC	0	1	32	62	5
OH	2	6	27	45	20
SC	0	0	49	51	0
SD	1	2	27	55	15
TN	0	0	12	80	8
19 State	1	2	19	61	17
Prev Week	1	2	19	64	14
Prev Year	N/A	N/A	N/A	N/A	N/A

COTTON

State	VP	P	F	G	EX
AL	0	0	4	96	0
AZ	0	0	30	57	13
AR	0	0	28	67	5
CA	0	0	0	65	35
GA	0	0	16	76	8
LA	0	2	66	32	0
MS	0	1	80	19	0
MO	0	0	23	68	9
NM	0	15	35	50	0
NC	0	3	57	40	0
OK	0	4	54	42	0
SC	0	1	85	14	0
TN	0	0	23	77	0
TX	1	11	60	27	1
14 State	0	6	48	41	5
Prev Week	1	6	49	40	4
Prev Year	0	4	37	54	5

GRAIN SORGHUM

State	VP	P	F	G	EX
AR	0	0	8	69	23
CO	4	12	26	50	8
IL	0	0	8	81	11
KS	0	7	12	35	46
LA	2	13	39	46	0
MS	0	0	10	90	0
MO	0	0	13	69	18
NE	0	3	12	55	30
NM	0	0	15	85	0
OK	0	0	5	88	7
SD	7	3	39	50	1
TX	0	8	30	49	13
12 State	0	6	19	50	25
Prev Week	0	4	16	56	24
Prev Year	N/A	N/A	N/A	N/A	N/A

VP - Very Poor P - Poor F - Fair
G - Good EX - Excellent

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall 0.02 to 1.60 in. north; none to 1.02 in. central; none to 0.59 in. south. Temperatures 3 to 7° below normal north; 3 to 8° below normal central; 2 to 6° below normal south. Lows 33 to 42° north; 34 to 45° central; 37 to 46° south. Highs 71 to 79° north; 76 to 82° central; 78 to 81° south.

Days suitable for fieldwork 5.0. Soil moisture 6% short, 88% adequate, 6% surplus. Corn 83% harvested, 94% 1991, 89% avg.; Sorghum 48% harvested, 69% 1991, 73% avg.; 23% fair, 74% good, 3% excellent. Peanuts 74% dug, 88% 1991, 84% avg.; 64% combined, 80% 1991, 73% avg. Pasture 18% fair, 64% good, 18% excellent. Livestock 7% fair, 73% good, 20% excellent. Primary activities: Harvesting vegetables, hay, corn, sorghum, peanuts, cotton; plowing fields for small grain seeding; planting small grains, marketing cattle; repairing machinery; general care of livestock, poultry, catfish.

ARIZONA: Sunny, warm. Temperatures 4° below to 3° above normal. Extremes 24°; 91°, higher elevations, 36°; 99° deserts.

Cotton bolls opening 100%, 96% 1991, 98% avg.; harvested 40%, 22%, 22% avg.; 30% fair, 57% good, 13% excellent; insects moderate to severe, central, west; light to moderate, east; weeds light to moderate; Activities included insect monitoring, pesticide application, defoliating, harvesting, statewide. Alfalfa condition good to excellent; weeds, insects light; harvest, moderate. Grapefruit harvested west. Lemons harvested, west, central. Cantaloupes, watermelons, honeydews, green onions harvested, central. Apples, pistachio, squash, garlic, lettuce, east. Chili peppers harvested central, east.

ARKANSAS: Temperatures below normal, isolated thunderstorms, weekend. Extremes 25°; 88°. Rainfall none to 3.20 in.

Days suitable for fieldwork 7. Soil moisture supplies 63% short, 37% adequate. Main farming activities: Defoliating cotton, applying herbicide to soybeans, irrigating soybeans, wheat seedbed preparation, harvesting cotton, milo, corn, rice, hay, planting wheat, fall forage planting, marketing calves, working cattle. Cotton harvest continued. Yields reported better than expected in southeast. Cotton gins running full time. As of 8th, cotton classing office reported 107,524 bales of Arkansas cotton had been classed. Soybean harvest gaining momentum. Early harvest yields mostly good. Some premature yellowing in southwest due to cool temperatures. Rice harvest nearing completion. Yields reported above average in southeast. Grain sorghum harvest winding down. Corn harvest nearing completion. Corn harvested 97%, 97% 1991, 96% avg. Livestock good. Pastures mostly good. Pastures were supplying average forage for herds. Rainfall needed on fall pastures in northwest, central. Hay harvest continued.

CALIFORNIA: High pressure over northern, central areas kept weather fair, dry with above normal daytime temperatures across many areas through the period.

Good progress field activities, open weather. Rice harvest proceeding rapidly. Cotton defoliation nearing completion most areas, harvest full-swing. Harvested fields shredded,

plowed for pink bollworm control. Alfalfa cut hay, green chopped. Some new fields seeded. Planting sugarbeets. Grain corn, silage corn, dry beans, sugarbeets harvested. Field preparation fall seeded small grains, forage crops gained momentum. Seeding increased some areas, most counties not started. Raisin harvest completed. Table, wine grape harvests winding down. Growers harvested almonds, walnuts, pistachios. Almond harvest virtually complete; growers fertilized, irrigated, shaped trees. Granny Smith, Fuji apples, pomegranates harvested, packed. Persimmon harvest active. Olive, Coachella Valley date harvests continued. Desert lemon, grapefruit picked. Grapefruit, avocados western half Riverside County harvested. Valencia orange harvest virtually complete. Valencia groves treated to control red scale. Navel orange harvest began Kern County. Cauliflower, broccoli shipments active central coast. Winter crops central valleys progressed well. Planting spring crops active desert areas. Carrots movement normal central areas. Celery harvest active Salinas-Watsonville, Santa Maria. Central coast lettuce harvest progressed, good volume. Melon harvest tapered off, season neared completion. Sweet potato movement steady central valley. Pumpkin, winter squash harvests became active. Other vegetables harvested included: beans, cabbage, sweet corn, fresh market tomatoes, peppers, various oriental vegetables. Scattered showers did not appreciably improve range, pasture conditions, still poor to very poor. Supplemental feeding increased. Water supplies tight, need rain. Fall calving active, calves, cattle good. Moderate cattle movement to market. Sheep grazing stubble fields.

COLORADO: A moist, cool system brought cold temperatures, precipitation to the eastern plains on 6th to 7th. Precipitation up to 1.39 in. near Kansas border. Freezing temperatures across the State on the 8th ended the growing season. Temperatures 3 to 5° below normal.

Days suitable for fieldwork 5.5. Soil moisture 7% very short, 47% short, 45% adequate, 1% surplus. Alfalfa 4th cutting 33%, 38% 1991, 27% avg. Spring wheat, oats harvest nearly complete. Sorghum mature 41%, 69% 1991, 60% avg.; harvested 14%, 26% 1991, 19% avg. Dry beans harvested 89%, 84% 1991, 81% avg. Fall potatoes harvested 94%, 80% 1991, 73% avg. Dry onions harvested 95%, 84% 1991, 81% avg. Corn mature stage 74%, 79% 1991, 82% avg.; silage harvested 93%, 90% 1991, 91% avg.; 1% very poor, 5% poor, 19% fair, 65% good, 10% excellent. Sugarbeets harvested 20%, 5% 1991, 7% avg. Winter Wheat seeded 97%, 94% 1991, 93% avg.; emerged 86%. Livestock mostly good. Pasture, range feed good.

FLORIDA: Low 80s northwest, to upper 80s, low 90s Peninsula. Unusually cool weather north late weekend, temperatures low 40s over Panhandle morning, October 12th. Lows; Peninsula mostly 60s. Scattered showers, thunderstorms northern, central Peninsula, with local rainfall exceeding 1.00 in. Little rain northwest, south.

Soil moisture mostly adequate to surplus throughout State. Cotton harvest gaining momentum. Peanut harvest, haymaking active. Sugarcane planting active. Sugarcane growers making preparation to start harvest. Farmers making preparations for soybean harvest, planting of small grains. Citrus groves near excellent

condition, moisture adequate. Ponds at high levels, abundant new growth. Harvest for fresh use increasing on early oranges, all grapefruit, mandarins. Caretakers cutting cover crops. Remaining dead trees, burning trash, spot spraying when necessary. Cool, dry weather permitted very active normal fall field activities. Soil moisture adequate all areas. Planting, harvesting activities increasing. Harvesting beans, sweet corn, cucumbers, eggplant, peppers, radishes, squash, tomatoes. State's pastures fair to excellent. Pasture ratings, 40% fair, 50% good, 10% excellent. Moisture levels mostly adequate to surplus. State's cattle herds mostly good.

GEORGIA: Cool week. Temperatures 4 to 8° below normal north, 3 to 7° below south except 0 to 2° below normal extreme southwest. Warmest readings low 70s mountains to low to mid 80s south. Coolest near freezing northeast mountains, low to mid 40s elsewhere. Rain 2 to 4 days north Georgia, 1 to 3 days south, amounts generally light. Rain mostly 0.50 to 1.00 in. north, less than 0.50 in. south, 1.00 to 4.00 in. east central. Greatest amount, .824 in. Millhaven.

Days suitable for fieldwork 3.1. Soil moisture 2% short, 43% adequate, 55% surplus. Corn harvest slowed, wet fields, cloudy weather. Cotton harvest very slow, more boll rot problems. Sorghum 1% poor, 15% fair, 84% good; 60% harvested for grain, 74% 1991, 69% avg. Peanuts 1% poor, 32% fair, 67% good; 76% dug, 90% 1991, 89% avg.; 58% threshed, 78% 1991, 77% avg.; weather conditions delaying harvest. Soybeans 70% dropping leaves, 88% 1991, 79% avg.; 3% harvested, 7% 1991, 9% avg. Wheat 3% emerged, 2% 1991, 3% avg.; wet weather delaying planting, seedbed preparation. Rye 33% planted, 30% 1991, 33% avg. Other small grains 19% fair, 77% good, 4% excellent; 18% planted, 15% 1991, 18% avg. Vegetables 1% poor, 40% fair, 59% good; disease problems heavy in cabbage northeast. Apples 29% fair, 71% good; 80% harvested, 80% 1991, 84% avg. Pecans 12% very poor, 30% poor, 50% fair, 8% good; 3% harvested, 7% 1991, 4% avg. Hay 5% poor, 40% fair, 51% good, 4% excellent. Pasture 1% poor, 20% fair, 72% good, 7% excellent; armyworms in pastures extreme southeast. Cattle, hogs good. Other activities included overseeding pastures, preparing seedbeds for small grain planting, harvesting hay, other routine farm work.

HAWAII: Variable weather occurred throughout the State. Mostly warm, sunny except for heavy rains on 7th, 11th. Daytime highs peaked in the low 90s while evening lows dipped to the high 60s. Cooler weather benefited cooler seasonal crops. Insects, disease infestations heavier in dry, warm areas, lighter in cooler areas. Winds 5 to 20 mph. Rainfall 0.20 to 5.40 in.

Days suitable for fieldwork 7.0. Crops made fair to good progress with variable weather during the week. Soil moisture levels were adequate for most orchard crops. Banana production lower. Papaya output increase. Sweet corn production light to moderate.

IDAHO: Temperatures 0 to 7° above normal throughout State. Precipitation fell across the State with the greatest amount falling in Aberdeen which received 0.63 in.

Days suitable for fieldwork 7. Soil moisture 27% very short, 35% short, 38% adequate. Winter wheat emerged 48%, 41% 1991, 40% avg. Potato harvest 89%, 72% 1991, 76% avg. Potato good. Third cutting alfalfa 96%, 87% 1991, 95% avg. Sugarbeet harvested 34%, 33% 1991, 28% avg. Dry bean harvest 95%, 95% 1991, 96% avg. Onion harvest 99%, 82% 1991, 91% avg. Field corn for silage 95%, 83% 1991, 89% avg.; for grain 23%,

17% 1991, 17% avg. Sweet corn for processing 99% harvested. Apple harvest 79%, 34% 1991, 56% avg. Irrigation water supplies 30% very poor, 25% poor, 22% fair, 23% good. Activities: 3rd, 4th cuttings of alfalfa, harvesting of sugarbeets, corn, onions, dry beans, potatoes. Pasture, range 49% of normal. Livestock good.

ILLINOIS: Low pressure, a couple of cold fronts brought showers, thunderstorms to north, central areas late in the week, weekend. High temperatures mid 60s in the north to around 70° in the south, lows averaged 40s statewide. Precipitation less than 0.10 to 0.60 in. across the State.

Days suitable for fieldwork 6.0. Soil moisture 18% short, 80% adequate, 2% surplus. Sorghum turning color 99%, 100% 1991, 100% avg. Winter wheat emerged 5%, 15% 1991, 15% avg. Pasture condition 88% of normal.

INDIANA: Temperatures 2 to 4° below normal across the State. Highs mid to upper 60s to low 70s. Lows in the low 40s. Precipitation coverage was almost complete, but light, with quarter of an inch common.

Days suitable for fieldwork 5.9. Topsoil 14% short, 81% adequate, 5% surplus. Subsoil 13% short, 85% adequate, 2% surplus. Pasture 90%, 92% last week, 52% 1991. Soybeans mature 93%, 100% 1991, 82% avg.

IOWA: Temperatures 1 to 3° below normal. Extremes 31°; 79°. Precipitation very heavy northwest; light central, east; totals 0.11 to 6.90; average 1.00 in.

Days suitable for fieldwork 4.5. Topsoil 67% adequate, 37% surplus. Subsoil 2% short, 79% adequate, 19% surplus. Pasture 21% fair, 64% good, 15% excellent. Rain slowed harvest of corn, beans; corn lodging, ear droppage is mostly light. Livestock generally good; considerable movement of cattle from pasture to feedlot.

KANSAS: Temperatures 1 to 4° below normal over State. Precipitation all districts. Over 1.00 in. 6 of 9 districts.

Days suitable for fieldwork 5.5. Surface moisture 29% short, 67% adequate, 4% surplus. Subsurface moisture 9% short, 91% adequate. Principle farm activities are fall harvest, wheat planting. Row crops mostly good to excellent. Corn, sorghum progress still behind normal. Open weather allowed wheat seeding, fall harvest to make good progress. Northwestern areas experienced sub freezing temperatures 8th, possibly injurious to crops. Pastures for State are still good. Rangeland in dryer southwestern district fair. Forage, stockwater adequate for State, with very few shortages. Little supplemental feeding.

KENTUCKY: Cool, dry weather. Daytime highs near 70° lows around 45°, 2° below normal. Rainfall 0.50 in., 0.25 in. below mean.

Days suitable for fieldwork 5.1. Soil moisture 1% very short, 15% short, 84% adequate. Corn, soybeans excellent yields, harvest slowed by moisture content. Burley 10% stripped, 15% 1991, 9% avg. Housed tobacco fair to good. Fall wheat 23% seeded. Pastures good to excellent.

LOUISIANA: Temperatures 2.3 to 5.6° below normal. Extremes 35°; 87°. Rainfall 0.02 in. north central to 0.76 in. central.

Days suitable for fieldwork 6.6. Soil moisture 49% short, 51% adequate. Hay 96% second cutting, 91% 1991, 92% avg. Pecans 33% very poor, 52% poor, 15% fair; 1% harvested, 14% 1991, 4% avg. Rice 100% ripe, 98% 1991, 100% avg. Second crop harvesting continued, southwest. Soybeans 95% turning color, 58% 1991, 83% avg. Wheat 4% planted, 6% 1991, 5% avg.; 0% emerged, 2% 1991, 1% avg. Moisture needed to initiate germination.

Sugarcane 49% fair, 49% good 2% excellent; 82% planted, 93% 1991, 92% avg.; 4% harvested, 6% 1991, 4% avg. Sweetpotatoes 63% harvested, 72% 1991, 74% avg. Livestock 24% fair, 68% good, 8% excellent. Pastures 1% poor, 9% fair, 90% good. Moisture needed for rye grass germination. Vegetables 10% poor, 71% fair, 17% good 2% excellent. Crawfish pond flooding continued.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 0.91 in. Temperature 61.2°, normal 59.4°. Extremes 26°; 79°.

Days suitable for fieldwork 5.1. Topsoil 6% short, 81% adequate, 13% surplus. Subsoil 13% short, 81% adequate, 6% surplus. Corn good; 81% mature, 100% 1991, 95% avg. Grain harvested 21%, 64% 1991, 59% avg.; silage harvested 69%, 97% 1991, 93% avg. Soybeans mostly good; 75% turned, 93% 1991, 86% avg.; 51% shedding leaves, 79% 1991, 64% avg. Sorghum good; 89% mature, 95% 1991; 9% harvested, 31% 1991. Pastures, cattle, excellent. Alfalfa fourth cutting 80%, other hay fourth cutting 32%. Apples harvested 55%, 74% 1991, 81% avg. Lima bean, sweetpotato harvests active; small grains seeding becoming active.

DELAWARE: Precipitation 0.40 in. Temperature 56.2°, normal 59.8°. Extremes 33°; 76°.

Days suitable for fieldwork 6.5. Topsoil 80% adequate, 20% surplus. Subsoil adequate. Soybeans good; 81% turned, 79% 1991, 79% avg.; 59% shedding leaves, 55% 1991, 52% avg. Corn fair to good; grain drying slowly; grain harvested: 30%, 81% 1991, 73% avg.; silage harvest nearly complete. Sorghum 70% mature; few acres harvested, 49% 1991. Alfalfa fourth cutting 87%; other hay fourth cutting 38%, supplies mostly adequate. Apple picking 65% complete, 75% 1991, 70% avg. Lima bean harvest active. Pastures mostly excellent.

MICHIGAN: Temperatures 5° above to 1° below normal. Extremes 27°; 73°. Precipitation 0.16 to 2.38 in. across the State.

Days suitable for fieldwork 5.5. Soil moisture 5% short, 75% adequate, 20% surplus. Hay 1% very poor, 9% poor, 30% fair, 40% good, 20% excellent. Corn silage 50% harvested, 95% 1991, 80% avg. Dry beans 85% harvested, 95% 1991, 65% avg.; 5% very poor, 15% poor, 35% fair, 30% good, 15% excellent. Potatoes 85% harvested, 85% 1991, 80% avg. Sugarbeets 20% harvested, 15% 1991, 15% avg. Pasture 80% of normal. Major activities: Cutting silage; harvesting field crops, fruits, vegetables; planting wheat, doing fall tillage.

MINNESOTA: Temperatures 4° below normal to 2° above normal. Extremes 25°; 78°. Precipitation none to 3.17 in., 0.40 in. below normal to 2.73 in. above normal. Greatest weekly total 4.00 in.

Days suitable for fieldwork 4.5. Topsoil 3% very short, 16% short, 50% adequate, 31% surplus. Corn 75% mature, 98% 1991, 98% avg.; 5% picked/combined 45% 1991, 45% avg.; 79% silage cut, 96% 1991, 95% avg.; 31% moisture content 21% 1991, 22% avg.; 3% stubble plowed, 15% 1991, 17% avg. Soybeans 95% mature, 97% 1991, 99% avg.; 52% combined, 71% 1991, 82% avg.; 12% moisture content, 12% 1991, 12% avg.; 35% stubble plowed, 24% 1991, 35% avg. Sunflowers 31% harvested, 68% 1991, 59% avg. Sugarbeets 62% harvested, 66% 1991, 63% avg. Potatoes 85% harvested, 86% 1991, 90% avg. Dry edible beans 93% harvested, 99% 1991, 96% avg. Soybean 5% very poor, 11% poor, 57% fair, 26% good, 1% excellent. Corn 11% very poor, 8% poor, 43% fair, 37% good, 1% excellent.

MISSISSIPPI: Temperatures 64°, 3.9° below normal. Extremes 33°; 89°. Most of the state received slightly below normal rainfall with a few isolated exceptions. Rainfall 0.37 in., 0.27 below normal. Soil temperatures 69°.

Days suitable for fieldwork 6.2, 6.6 1991, 5.3 avg. Soil 9% very short, 39% short, 52% adequate. Corn harvested 79%, 85% 1991, 84% avg.; 22% fair, 52% good, 26% excellent. Cotton open bolls 98%, 95% 1991, 97% avg.; 34% harvested, 55% 1991, 56% avg.; 1% poor, 80% fair, 19% good. Peanuts harvested 91%, 90% 1991, 89% avg. Rice harvested 88%, 65% 1991, 84% avg.; 20% fair, 74% good, 6% excellent. Sorghum harvested 95%, 84% 1991, 89% avg.; 10% fair, 90% good. Soybeans turning color 95%, 87% 1991, 88% avg.; shedding leaves 69%, 61% 1991, 69% avg.; 22% harvested, 18% 1991, 23% avg.; 7% fair, 80% good, 13% excellent. Sweetpotatoes harvested 60%, 72% 1991, 70% avg.; 50% fair, 33% good, 17% excellent. Wheat planted 18%, 21% 1991, 20% avg.; 12% emerged, 10% 1991, 13% avg.; 59% fair, 41% good. Pecans 10% harvested, 4% 1991, 3% avg.; 52% very poor, 26% poor, 5% fair, 14% good, 3% excellent. Livestock 87% good, 13% excellent. Pasture 92% of normal. Activities: Planting wheat, harvesting crops.

MISSOURI: Temperatures 2 to 3° below normal except slightly cooler southwest, southeast. Rainfall 0.41 in.; 0.06 in. or less east central, south central, southeastern districts to over 1.00 in. northwestern, west central districts.

Days suitable for fieldwork 5.5. Topsoil 17% short, 80% adequate, 3% short. Row crop harvesting only temporarily interrupted by showers mid week. Corn harvesting by area ranges 19% or less northern districts, 35% to 51% central districts, up to 96% southeast. Soybeans mature 77%, 65% 1991, 67% avg.; harvesting varies from 14% or less southwest, southeast, to over 50% central, northwest, northeast. Sorghum harvesting ranges 12% or less north central, northeast to 87% southeast. Dry weather helping cotton bolls to open, but progress still week behind normal. Good progress with wheat seeding all areas. Pastures 6% poor, 41% fair, 48% good, 5% excellent.

MONTANA: Temperatures were below normal. Precipitation for the week was near normal with most areas receiving some precipitation.

Days suitable for fieldwork 4.6. Topsoil moisture 43% short, 53% adequate, 4% surplus. Subsoil moisture 55% short, 43% adequate, 2% surplus. Spring wheat 95% harvested, 100% 1991, 100% avg. Corn for silage 96% harvested, 93% 1991, 96% avg. Sugar beets 45% harvested, 36% 1991, 48% avg. Potatoes 75% harvested, 71% 1991, 79% avg. Pasture and range feed condition 79%, declining 1 point from last week. Movement of cattle and calves from summer ranges 48%, sheep and lambs 52%.

NEBRASKA: Temperatures 4 to 8° below normal. Precipitation occurred midweek, varying from 0.50 in. west to over 3.00 in. east, central.

Days suitable for fieldwork 4.2. Topsoil 7% short, 61% adequate, 32% surplus. Subsoil 3% short, 90% adequate, 7% surplus. Corn 1% very poor, 7% poor, 12% fair, 53% good, 27% excellent; 92% mature, 100% 1991, 99% avg.; 10% harvested, 68% 1991, 45% avg. Soybean 1% very poor, 2% poor, 4% fair, 54% good, 39% excellent; 100% dropping leaves, 100% 1991, 99% avg.; 61% harvested, 86% 1991, 67% avg. Sorghum 3% poor, 12% fair, 55% good, 30% excellent; 72% mature, 100% 1991, 99% avg.; 7% harvested, 78% 1991, 54% avg. Winter wheat 12% fair, 73% good, 15% excellent; 99% sown, 100% 1991, 98% avg.; 92% emerged, 83% 1991, 86% avg. Pasture, range 98% of normal.

NEVADA: Ridge of high pressure off west coast left State under stable northwest flow pattern most of week. Generally clear skies throughout week. Temperatures began below normal, warmed to above normal. Midweek low temperatures plummeted into low teens in northeast.

Favorable weather aided potato digging, winter grain seeding. Late cuttings alfalfa hay still in progress in some localities. Livestock generally good. Movement to winter feeding areas, market continues. Supplemental feeding started many areas. Pastures, ranges remain extremely dry.

NEW ENGLAND: Precipitation 0.53 to 1.75 in. NH, VT, MA, RI; CT: 0.79 to 1.80 in.; Maine: 0.28 to 0.98 in. Temperatures mid 40s to low 50s north, high 40s to mid 50s south; 1 to 5° below normal. Maximum temperatures mid 60s to mid 70s north, high 60s to mid 70s south. Minimum temperatures mid 20s to mid 30s north, mid 20s to high 30s south.

Days suitable for fieldwork 6. Soil moisture 22% short, 63% adequate, 15% surplus. Available grazing 18% short, 75% adequate, 7% surplus. Fieldwork progress 4 days behind schedule. Maine potatoes 97% harvested, 71% 1991, 84% avg.; good. Rhode Island potatoes 95% harvested, 91% 1991, 97% avg.; good. Massachusetts, Connecticut potatoes 93% harvested, 88% 1991, 82% avg.; good. Maine oats 88% harvested, 100% 1991, 96% avg.; good. Field corn 60% harvested, 78% 1991, 66% avg.; good. Connecticut, Massachusetts sweet corn 100% harvested, 100% 1991, 100% avg.; good. Second cut hay 97% harvested, 100% 1991, 99% avg.; good. Third cut hay 76% harvested, 85% 1991, 87% avg.; good. Apples 75% harvested, 85% 1991, 81% avg.; color good, size medium; good. Connecticut, Massachusetts peaches 100% harvested, size medium; good. Connecticut pears 100% harvested, size medium; good. Massachusetts cranberries 53% harvest; good, size medium. Major activities: Harvesting field corn, vegetables, sweet corn, tomatoes, potatoes, apples, peaches, pears, cranberries, haying.

NEW JERSEY: Temperatures below normal. Extremes 26°; 78°. Rainfall 1.28 in. north, 0.77 in. central, 0.64 in. south. Heaviest 24 hour total 1.25 in. on 9th, 10th. Estimated soil moisture, in percent field capacity, averaged 85% north, 78% central, 79% south. Four inch soil temperatures 51° north, 54° central, 55° south.

Soil moisture generally adequate. Cucumbers, eggplant, beans, green onions, leeks, okra, tomatoes, sweet corn, in light volume. Beets, cabbage, endive, escarole, greens, parsley, peppers, squash, spinach, turnips, potatoes, in moderate supply. Pumpkins, apples, lettuce all types, in good volume. Harvesting sweet potatoes, cranberries. Potato harvest nearing completion. Harvest of corn silage nearing completion. Harvesting corn for grain, soybeans. Planting cover crops. Pasture good overall.

NEW MEXICO: A cold front during mid-week brought the first freezing temperatures of the season to many locations. Temperatures 1 to 2° below normal. Extremes 13°; 91°. Some light rain accompanied the cold front in the extreme northeast, the remainder of the State was dry.

Days suitable for fieldwork 6.6. Soil moisture 74% short, 26% adequate. Crop conditions: Alfalfa 6% poor, 13% fair, 75% good, 6% excellent. Corn 7% fair, 86% good, 7% excellent. Irrigated wheat 21% fair, 79% good. Dryland wheat 15% poor, 30% fair, 55% good. The wheat crop is 97% complete on planting. Lettuce harvest increasing with crop good. Chile 5% poor, 28% fair, 67% good; harvest continues. Apples mostly fair to good. Pecans poor to good, mostly good. Cattle, sheep fair to excellent. Range, pasture 86% of normal.

NEW YORK: Temperatures 5° below normal, although readings second half of week were above normal. Widespread frost, freezing weather each

night first half of week. Extremes 23°; 74°. Precipitation was near or above normal nearly all locations. Northern areas received up to 3.00 in. Elsewhere 0.50 to 1.50 in. of rain fell.

Days suitable for fieldwork 6.3. Soil moisture adequate. Pasture condition 96% of normal. Hay, corn good condition. Corn for silage 42% harvested, 75% 1991, 60% avg. Corn for grain harvest not started yet. Crop is late maturing. Harvest normally underway by October 1. Third cutting alfalfa 82% finished, 93% 1991, 84% avg. Still some oats being combined. Potato harvest remained active, crop almost 70% harvested. Winter wheat seeding progressing rapidly. Apple harvest in full swing. Weather conditions excellent for apple development. Some frost injury to grapes in Finger Lakes region. Wineries processing grapes. Quality of grapes good. Vegetable harvest rapidly drawing to a close. Pumpkin harvest continued. Some late maturing vegetable fields will be abandoned. Onion harvest active. Crop being moved into storage.

NORTH CAROLINA: Temperatures 5° below normal to near normal. The largest negative departures occurred in western areas. Precipitation 6.00 in. at Lincolnton to 0.02 in. at Wheelsburg.

Days suitable for fieldwork 3.8. Soil moisture 1% short, 66% adequate, 33% surplus. Crop condition: Pasture 14% fair, 73% good, 13% excellent. Corn 23% fair, 62% good, 15% excellent. Cotton 3% poor, 57% fair, 40% good. Peanuts 46% fair, 54% good. Soybeans 1% poor, 32% fair, 62% good, 5% excellent; Sweetpotatoes 24% fair, 76% good. Sorghum 44% fair, 51% good, 5% excellent. Cotton open bolls 88%, 98% 1991, 96% avg. Soybeans leaf drop 44%, 56% 1991, 39% avg. Burley tobacco harvested 97%, 99% 1991, 98% avg. Corn for silage harvested 88%, 97% 1991, 95% avg.; for grain Harvested 72%, 83% 1991, 72% avg. Sorghum for grain harvested 53%, 57% 1991, 50% avg. Apples harvested 74%, 87% 1991, 81% avg. Winter wheat planted 14%, 18% 1991, 13% avg. Oats planted 25%, 35% 1991, 24% avg. Barley planted 28%, 33% 1991, 27% avg. Rye planted 19%, 35% 1991, 27% avg. Hay, roughage supplies 2% short, 89% adequate, 9% surplus. Major activities: Finishing up the tobacco harvest, harvesting corn for grain. Other activities: Harvesting fruits, vegetables; harvesting sorghum; digging sweetpotatoes; seeding small grains; digging peanuts; tobacco stripping; defoliating cotton; tending livestock; equipment repair; general maintenance.

NORTH DAKOTA: Week was dry with near normal temperatures. Statewide temperatures 1° below normal to average. Extremes 17° west central, south central; 85° south central. Precipitation none to 0.13 in. across State.

Days suitable for fieldwork 6.8. Topsoil moisture supplies below last year, above average. Topsoil 23% very short, 56% short, 21% adequate. Subsoil 23% very short, 47% short, 30% adequate. Small grain harvest nearly complete. Spring wheat 99% combined, 100% 1991, 100% avg.; durum 98% combined, 100% 1991, 100% avg. Winter wheat 94% planted, 100% 1991, 98% avg.; rye 93%, 100% 1991, 98% avg. Late season crop harvest made good progress, remain behind 1991, average. Corn for grain 17% harvested, 85% 1991, 49% avg. Corn for silage 94% cut, 99% 1991, 98% avg. Flax 87% combined, 99% 1991, 97% avg. Potatoes 87% dug, 95% 1991, 97% avg. Soybeans 75% combined, 95% 1991, 89% avg. Dry beans 76% combined, 99% 1991, 97% avg. Sunflower 15% harvested, 61% 1991, 53% avg. Sugarbeets 70% lifted, 84% 1991, 74% avg. Range, pasture 60% of normal. Stockwater 10% very short, 45% short, 45% adequate.

OHIO: Good harvest weather prevailed for most of the week. Temperatures 2 to 3° below normal to 4 to 5° below normal in the northwest. Highs 60s, reached the low 70s on the warmest days. Lows in

the upper 30s to low 40s, 1 to 3° below normal. The lowest readings held in the 30s at most locations; Youngstown, Canfield dipped below freezing. Minimum temperature 28° at Canfield on the 8th. Precipitation was widespread, with readings from 0.30 to 0.70 in. common.

Days suitable for fieldwork 6.0. Topsoil 10% short, 86% adequate, 4% surplus. Hay 5% poor, 29% fair, 52% good, 14% excellent. Pasture 5% poor, 27% fair, 56% good, 12% excellent. Potatoes harvested 80%, 90% 1991, 80% avg. Processing tomatoes harvested 95%, 100% 1991, 100% avg. Corn harvested for silage 75%, 100% 1991, 81% avg.

OKLAHOMA: Temperatures 6° below normal south central to 4° below normal west central. Precipitation none west central, southwest, southeast to 0.50 in. northeast.

Days suitable for fieldwork 6.6. Topsoil 84% short, 16% adequate. Subsoil 14% short, 86% adequate. Wheat 4% poor, 53% fair, 43% good; 74% planted, 80% 1991, 71% avg.; 39% emerged, 43% 1991, 38% avg. Cotton 4% poor, 54% fair, 42% good; 40% open bolls, 58% 1991, 65% avg.; 7% harvested, 2% 1991, 4% avg. Sorghum 5% fair, 88% good, 7% excellent; 38% mature, 42% 1991, 70% avg.; 15% harvested, 9% 1991, 13% avg. Soybeans 23% harvested, 20% 1991, 13% avg. Peanuts 28% harvested, 29% 1991, 13% avg. Corn 90% harvested, 92% 1991, 90% avg. Pastures 100%. Cattle good; marketings average, prices steady to \$2 per cwt. lower than preceding week.

OREGON: Temperatures near normal, statewide, except Brookings, Newport, Medford. Precipitation fell mainly along coast, Columbia Basin with generally less than 0.10 in.; 0.10 in. Hepner, 0.09 in. Pendleton, 0.06 in. Enterprise.

Soil moisture 87% short, 13% adequate. Winter wheat 57% planted, 24% emerged. Winter barley 47% planted. Field preparation for fall seeding in cereal grains continues. Some reseeding due to crusting, Umatilla County. Sugarbeet harvest continues, Malheur County. Apple, hazelnut harvest continues; Willamette Valley. Hood River Valley apple harvest complete. Cranberry harvest continues, steady pace, good quality, size, color; southern coast. Pruning, training canberries. Strawberry fields looking good after timely rains. Potato, onion harvest continues, statewide. Some sweet corn continues to be harvested, Willamette Valley. Carrot, cauliflower processing underway. Livestock good. Dryland pastures greening up, Willamette Valley. Most cattle off federal ranges, forests. Weanings, cow processing underway. Hay, protein supplements continue being fed. Range, pasture condition 55% of normal.

PENNSYLVANIA: It was a little cooler, a little wetter than normal this past week. Temperature 56°. Extremes 25°; 78°. Precipitation 0.89 in., 0.13 in. above normal.

Days suitable for fieldwork 5. Soil moisture 7% short, 81% adequate, 12% surplus. Ensilage corn harvested 46% complete, 89% 1991. Soybean harvest 6% complete, 13% 1991; 1% very poor, 3% poor, 21% fair, 49% good, 26% excellent. Potato harvest 80% complete, 85% 1991. Fall plowing 67% complete, 71% 1991. Wheat planted 67% complete, 69% 1991. Barley planted 80% complete, 84% 1991. Third cutting alfalfa 81% complete, 91% 1991. Fourth cutting alfalfa 57% complete, 67% 1991. Quality of hay made 2% poor, 37% fair, 61% good. Feed from pastures 4% very poor, 8% poor, 47% fair; 41% good. Apple harvest 65% complete, 72% 1991. Grapes harvest 70% complete, 86% 1991. Activities: Hauling manure; maintaining machinery; cutting, baling hay; making corn silage; fall plowing; seeding small grains; apple, potato harvesting; fixing fence; caring for livestock.

PUERTO RICO: Island rainfall 1.25 in. was 0.58 in. below normal. Highest rainfall 4.59 in. at Maricao, 4.19 in. at Coamo, 3.44 in. at Yauco. Highest 24 hour total 2.20 in. at Trujillo Alto, Cayey on 9th, 7th. Divisional temperatures 80 to 82° on the Coasts, 75 to 77° in the Interior with mean station temperatures 67.9° at Pico Del Este Luquillo to 84.6° at San Juan. Extremes 59°; 95°.

SOUTH CAROLINA: Temperatures across the State below normal. Rainfall 1.20 in. statewide.

Days suitable for fieldwork 4.1. Soil moisture 7% short, 79% adequate, 14% surplus. Tobacco 89% stalks destroyed, 87% 1991, 79% avg. Corn fair to good; 94% harvested, 97% 1991, 91% avg. Cotton fair; 93% open bolls, 91% 1991, 92% avg.; 9% harvested, 28% 1991, 32% avg. Soybeans fair to good; 64% leaves turning, 68% 1991, 63% avg.; 20% shedding leaves, 29% 1991, 29% avg.; 9% mature, 18% 1991, 18% avg.; 1% harvested, 1% 1991, 0% avg. Apples fair to good; 82% harvested, 92% 1991, 84% avg. Grapes fair to good. Fall hay fair to good; 85% harvested, 82% 1991, 80% avg. Peanuts fair to good; 35% harvested, 70% 1991, 48% avg. Sorghum fair to good; 57% harvested, 62% 1991, 58% avg. Oats fair to good; 14% planted, 13% 1991, 15% avg.; 8% emerged, 4% 1991, 5% avg. Rye fair to good; 20% planted, 20% 1991, 20% avg, 9% emerged, 7% 1991, 9% avg. Winter grazing fair to good; 49% planted, 48% 1991, 47% avg.; 37% emerged, 29% 1991, 30% avg. Barley fair to good; 8% planted, 9% 1991, 9% avg.; 6% emerged, 4% 1991, 4% avg. Wheat fair to good; 1% planted, 3% 1991, 4% avg. Heavy rainfall in some areas of the State. Field activities mostly stalled. Insect pressure in soybeans.

SOUTH DAKOTA: Temperatures 5 to 10° below normal. Extremes 7°; 87°. Maximum 3.75 in.; 0.88 in. southeast, west central respectively. Little or no precipitation for the rest of the State.

Days suitable for fieldwork 4.6. Topsoil 16% very short, 39% short, 33% adequate, 12% surplus. Subsoil 14% very short, 26% short, 52% adequate, 8% surplus. Sunflowers 1% poor, 18% fair, 66% good, 15% excellent. Winter wheat 1% poor, 33% fair, 55% good, 11% excellent. Winter rye 2% poor, 26% fair, 62% good, 10% excellent. Corn silage harvest 79% complete, 93% 1991, 80% avg. Sorghum silage harvest 57% complete, 92% 1991, 83% avg. Sunflowers harvest 25% completed, 58% 1991, 61% avg. Flax harvest 91% complete, 100% 1991, 100% avg. Harvest was interrupted by the rains in the southeast. Soft and high moisture corn was reported. Frost caught some sorghum while it was still green causing farmers to cut it for hay or silage. Livestock 3% fair, 77% good, 20% excellent. Pasture 83% of normal.

TENNESSEE: Temperatures 2 to 6° below normal. Light frosts on 7th to 8th, no damage occurred. Rainfall 0.05 to 0.25 in. below normal.

Days suitable for fieldwork 4.8. Soil moisture, 3% short, 92% adequate, 5% surplus. Corn 92% silage harvested, 98% 1991, 98% avg.; 62% grain harvested, 70% 1991, 70% avg. Cotton 94% open bolls, 95% 1991, 95% avg.; 17% harvested, 53% 1991, 47% avg.; 23% fair, 77% good. Sorghum 70% harvested, 54% 1991, 73% avg. Soybeans 61% dropping leaves, 62% 1991, 70% avg.; 29% mature, 33% 1991, 43% avg.; 7% harvested, 8% 1991, 11% avg.; 12% fair, 80% good, 8% excellent. Wheat 19% seeded, 23% 1991, 22% avg. Burley Tobacco 13% stripped, 20% 1991, 16% avg. Cattle 6% fair, 85% good, 9% excellent. Pasture 9% fair, 72% good, 19% excellent. Farm activities: Harvesting hay, corn, sorghum, cotton, soybeans; defoliating cotton; stripping tobacco; fall seedings.

TEXAS: Midweek cold front ushered in coldest air of the season. Freezing temperatures on the 8th western sections of Panhandle, North and South Plains, 3 weeks earlier normal. Front

triggered thunderstorms Eastern third State, amounts fairly light. Warming followed later under clear skies. Temperatures below normal across State. Rainfall below normal all areas, amounts slim to none West.

Crops: Corn harvest Plains well underway, harvest activity rest State ended. Extent freeze damage cotton fields Plains uncertain, cooler temperatures slowed development. Some spraying harvest aids High Plains. Blacklands harvest winding down. First crop rice harvest completed, second crop harvest well underway. Late second crop harvest may be reduced by cooler temperatures. Grain sorghum growth High Plains slowed cool weather, some fields harvested. Freeze may have injured late maturing fields Plains. Harvest Low Plains continued, activity Cross Timbers well underway. Small grain planting virtual standstill most areas, except some wheat dry sown. All areas need moisture for planting to resume, emerged fields to progress. Dry planted fields wait for moisture for germination. Peanut harvest continued most areas. Some fields Low Plains suffered losses high winds scattering dug peanuts. Cross Timbers harvest slowed until rains replenish moisture necessary optimal harvest conditions. Statewide condition 82% normal, 86% 1991. 37% harvested, 28% 1991, 24% avg. Soybean harvest continued High Plains, East Texas. Blacklands, harvest nearing completion.

Commercial Vegetables: Rio Grande Valley, irrigation continued due lack rainfall. Tomatoes, peppers progressing well. High Plains, pepper, pumpkin harvests almost complete. Cabbage, watermelon harvest continued. East Texas, winter greens needed rain development. Sweetpotato harvest continued. Insect, disease problems increased with cooler temperatures. Trans-Pecos, chile harvest continued. Onion, garlic planting began. South, Central Texas, harvest pecans well underway. Shuck split occurred East Texas, Trans-Pecos.

Range and Livestock: Ranges, pastures continued decline with cool, dry weather. Rainfall needed winter pastures, some areas may be late. Stock tank levels decreased dramatically. Livestock conditions good, supplemental feeding increased several areas.

UTAH: Temperature maximums approximated normal, minimums were about 2° less than normal throughout the State. Very light precipitation in the northern half, none in the southern half.

Days suitable for fieldwork 6.9. Soil moisture 96% short, 4% adequate. Winter wheat seeded 90%, 95% 1991, 90% avg.; emerged 57%, 50% 1991. Field corn mature 99%, 78% 1991; harvested for grain 96%, 87% 1991; harvested for silage 45%, 14% 1991, 28% avg. Alfalfa 4th cutting 91%, 75% 1991, 75% avg. Potatoes harvested 94%, 83% 1991. Onions harvested 95%, 89% 1991. Dry bean harvest 94%. Apples 95% picked, 68% 1991, 68% avg. Cattle moved from summer range 85%, 59% 1991, 62% avg. Sheep moved from summer range 85%, 72% 1991, 69% avg. Pasture, range poor to fair.

VIRGINIA: Temperatures near normal. Extremes 25°; 80°. Precipitation below normal in the west, near normal over the rest of the State.

Days suitable for fieldwork 4.5. Topsoil 9% short, 75% adequate, 16% surplus. Pasture 4% poor, 17% fair, 62% good, 17% excellent. Corn silage harvested 86%, 97% 1991, 91% avg.; harvested for grain 60%, 75% 1991, 63% avg. Soybean 52% fair, 41% good, 7% excellent; harvested 5%, 10% 1991, 5% avg. Apple harvest 63%, 80% 1991, 71% avg. Sweetpotato harvest 80% completed. Peanuts 33% dug, 90% 1991, 58% avg. Peanuts combined 15%, 80% 1991, 46% avg. Peanuts 75% fair, 25% good. Oats seeded 48%, 60% 1991, 52% avg. Barley seeded 33%, 40% 1991,

36% avg. Winter wheat seeded 13%, 18% 1991, 14% avg. Livestock mostly good. Harvesting alfalfa hay, seeding pastures, hay fields. Preparing land for small grain seeding, defoliating cotton, marketing tobacco. Marketing livestock.

WASHINGTON: Temperatures 4° below to 1° above normal west; 4° below to 1° above normal east. Rainfall none to 0.39 in. west; none to 0.18 in. east.

Days suitable for fieldwork 6.9. Soil moisture 69% short, 31% adequate. Hay, other roughage 17% short, 68% adequate, 15% surplus. Range, pasture 18% very poor, 51% poor, 31% fair. Winter wheat planted 96%, 73% 1991, 80% avg.; emerged 68%, 62% 1991, 61% avg. Potatoes 55% harvested, 60% 1991, 67% avg. Corn silage 90% harvested, 75% 1991, 82% avg. Corn grain harvested 11%, 10% 1991, 17% avg. Dry beans harvested 79%, 87% 1991, 86% avg. Fall seeding winding down, except several western areas where planting still active. Russian wheat aphid infestations reported several counties. Potato harvest neared completion Kittitas county. Apple picking finishing this week many central orchards; except late varieties. Orchard cleanup underway. Cranberry harvest continued under ideal weather conditions. Color excellent; lack of water for harvest flooding reported. Sweet corn, processing carrots harvested.

WEST VIRGINIA: Temperature 55°. Extremes 29°; 80°. Precipitation 0.47 in.

Days suitable for fieldwork 5.3. Soil moisture, 44% short, 56% adequate. Tobacco 100% harvested. Hay 25% fair, 75% good; 90% third cut. Apples good. Corn 73% good, 27% excellent; 95% mature, 35% harvested. Pastures 28% fair, 55% good, 17% excellent; 90% of normal. Cattle 9% fair, 79% good, 12% excellent. Sheep, 4% fair, 96% good. Soybeans good; 80% dropping leaves, harvested 15%. Wheat sown 12%. Barley sown 70%. Farm activities: General maintenance; clipping pastures; chopping silage; harvesting hay, corn, tobacco, apples; sowing barley, wheat.

WISCONSIN: Temperature 50°; 1° below normal. Extremes 26°; 74°. Precipitation 0.20 to 2.10. Excellent weather early in the week allowed for good progress on harvest of corn silage, hay.

Days suitable for fieldwork 4.2. Soil moisture 3% short, 77% adequate, 20% surplus. Pasture 75% of normal, 77% 1991, 74% avg. General condition of crops 4% poor, 40% fair, 54% good, 2% excellent. Corn 2% very poor, 10% poor, 34% fair, 51% good, 3% excellent; 78% in dent stage or beyond; 40% mature, 92% 1991, 89% avg.; for grain 3% harvested, 30% 1991, 26% avg.; silage 44% harvested, 83% 1991, 83% avg. Soybean 1% very poor, 4% poor, 35% fair, 56% good, 4% excellent; 84% turned; 60% shedding leaves, 92% 1991, 97% avg.; 9% harvested, 40% 1991, 32% avg. Intended fall tillage 13% complete, 22% 1991, 21% avg.

WYOMING: It was cool across the State last week with most areas receiving some precipitation. Temperatures normal to 5° below normal. Killing freezes occurred statewide. Precipitation was a little above normal in the southeast, and in scattered areas of the central, northern regions. The remainder of the State had below normal precipitation.

Days suitable for fieldwork 6.0. Topsoil 71% short, 29% adequate. Dry beans 10% windrowed, 7% 1991, 11% avg.; 90% combined, 93% 1991, 89% avg. Corn 31% dented, 14% 1991, 17% avg.; 57% mature, 61% 1991, 66% avg.; 12% harvested, 25% 1991, 17% avg. Corn silage 91% harvested, 100% 1991, 97% avg. Potatoes 95% harvested, 95% 1991, 85% avg. Sugarbeets harvested 36%, 36% 1991, 42% avg. 1993 Winter wheat 88% emerged, 87% 1991, 82% avg. Livestock moved from summer ranges 65% cattle, calves; 72% sheep, lambs. Livestock fair to mostly good. Stockwater 46% short, 54% adequate.

International Weather and Crop Summary HIGHLIGHTS

October 4 - 10, 1992

FSU: In the west, light to moderate showers over northern areas benefit winter grains. Although dry weather over most of Ukraine helps summer crop harvests, moisture is limited in the south for winter grain establishment. In the **New Lands**, rain and snow in the east cause further delays in spring grain harvesting.

EUROPE: Mostly dry weather helps fieldwork in the north, but rain slows corn harvesting in France, Italy, and Romania.

SOUTH ASIA: Moderate showers help immature summer crops in central India.

EASTERN ASIA: Weather is favorable for summer crop harvesting and winter crop planting.

SOUTHEAST ASIA: Showers taper off over Thailand, but inundating rains hit central Vietnam.

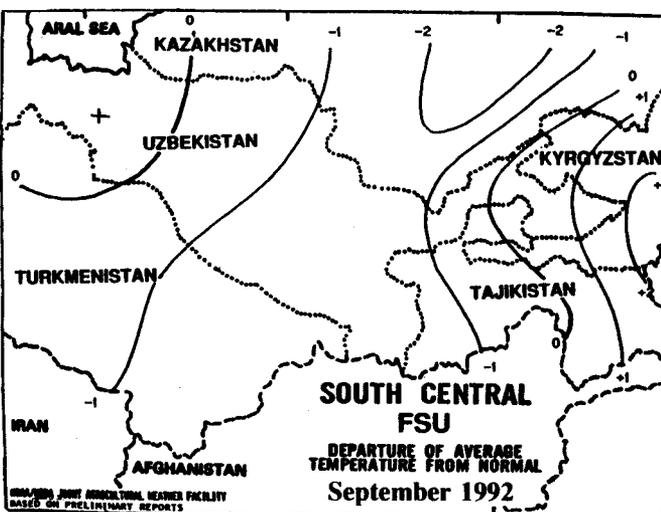
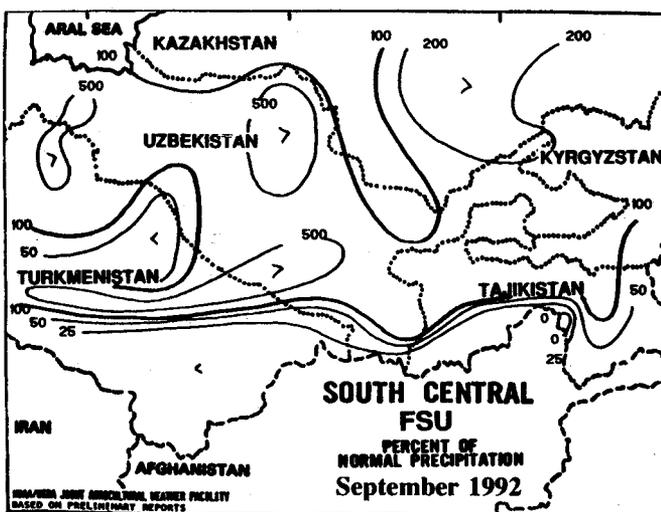
AUSTRALIA: Eastern wheat areas receive some relief from dryness, but additional moisture is still needed.

SOUTH AMERICA: Drier weather aids summer crop planting and wheat harvesting across southern Brazil. In Argentina, rain favors summer crops and winter wheat.

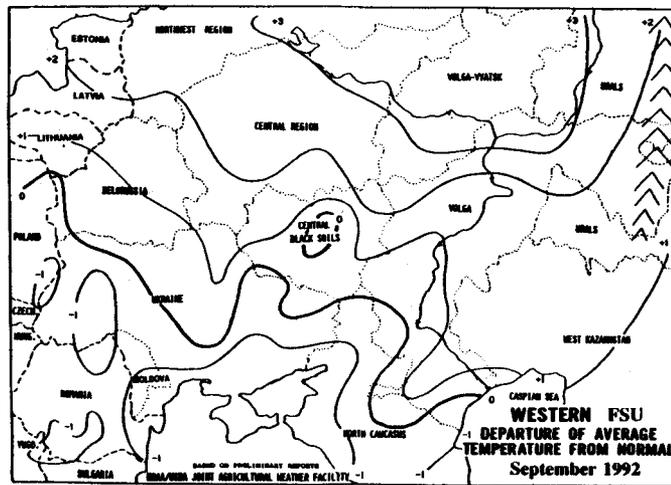
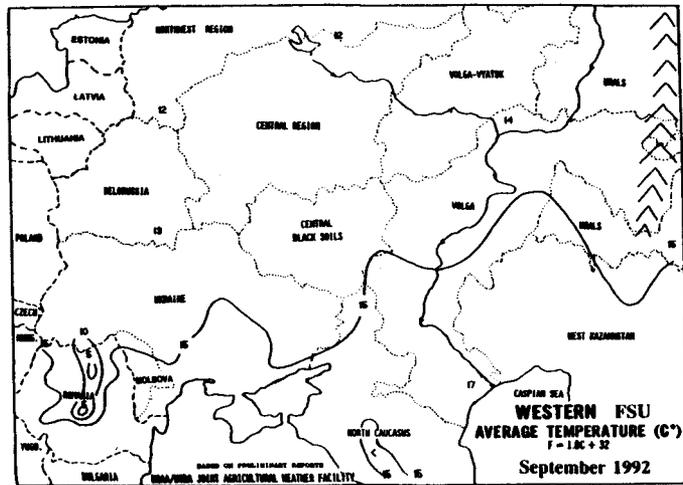
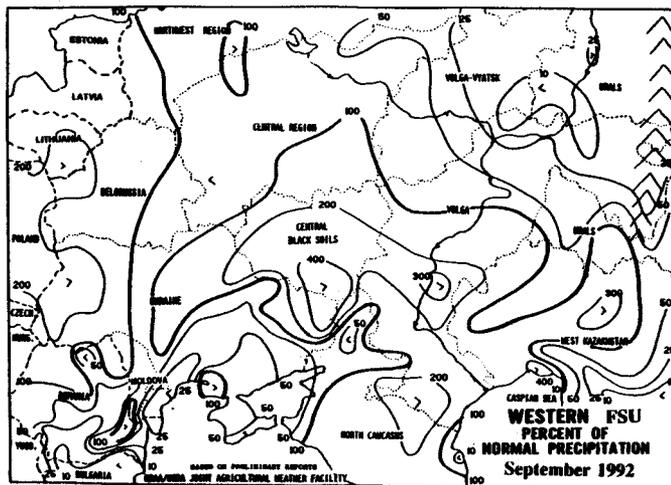
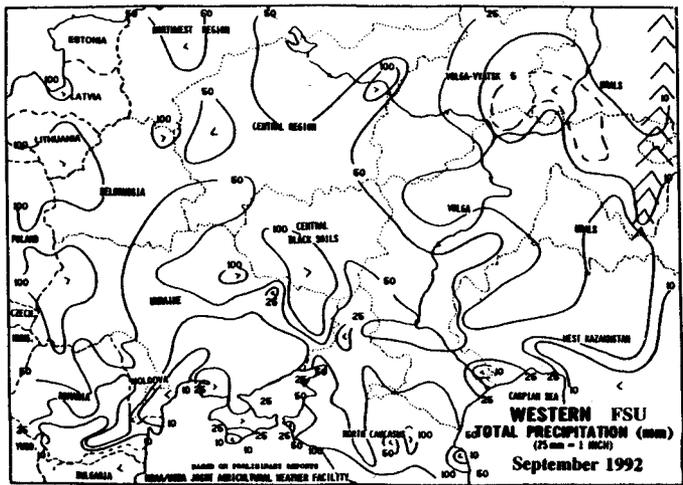
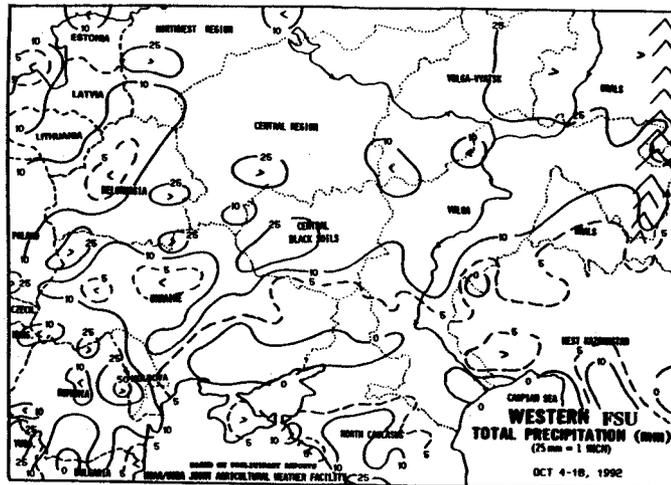
MEXICO: Tropical activity continues to delay corn harvesting.

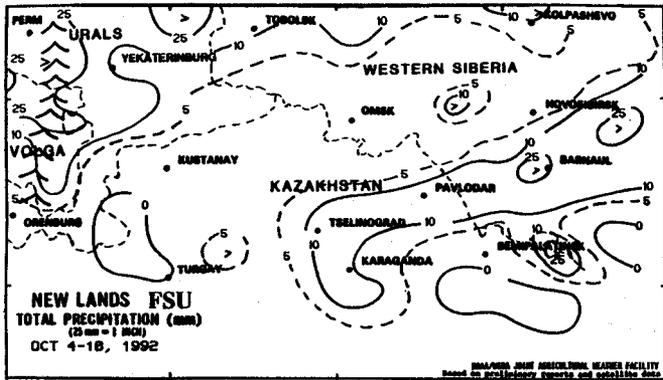
CANADA: Prairie harvest progresses, aided by late-week dryness.

NORTHWESTERN AFRICA: Light showers over coastal winter grain areas in Algeria and Tunisia increase pre-planting moisture. The autumn rainy season has not yet begun in Morocco.

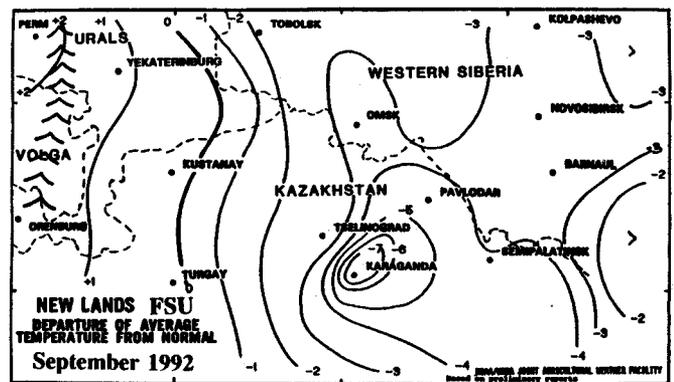
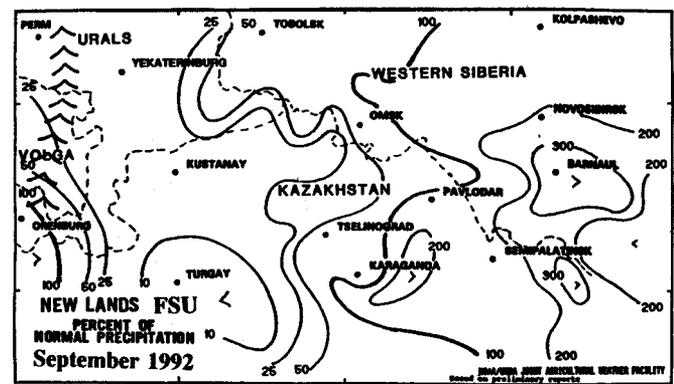
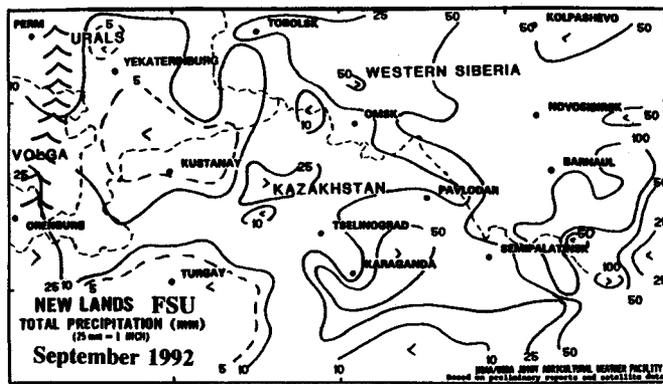


FSU-WESTERN: A storm system moved gradually eastward across the region, producing variable amounts of precipitation and ushering in unseasonably cool weather. Greatest amounts of moisture (10-24 mm, with local amounts in excess of 30 mm) fell over the Baltic States, eastern Belarus, Central Region, Black Soils Region, Volga Valley, and Volga Vyatsk, benefiting winter grains. Although little, if any, precipitation (generally less than 10 mm) over the Ukraine helped summer crop harvesting, soil moisture is limited for winter grain establishment. Average temperatures were generally 1-2 degrees Celsius (C) below normal over the region. In September, summer crop harvesting was well underway, while winter grain planting advanced southward. Intermittent showers produced widespread precipitation (50-100 mm) over the Baltic States, Belarus, western and northern Ukraine, Central Region, Black Soils Region, North Caucasus, and the lower Volga Valley. Although the rain in these areas caused some interruptions in corn harvesting, it provided much-needed topsoil moisture for winter grain establishment. In addition, near- to above-normal temperatures favored continued growth in winter grains. Further south, dry weather in southern Ukraine benefited corn harvesting. However, dryness in this area has persisted since July, diminishing soil moisture needed for winter grain establishment.

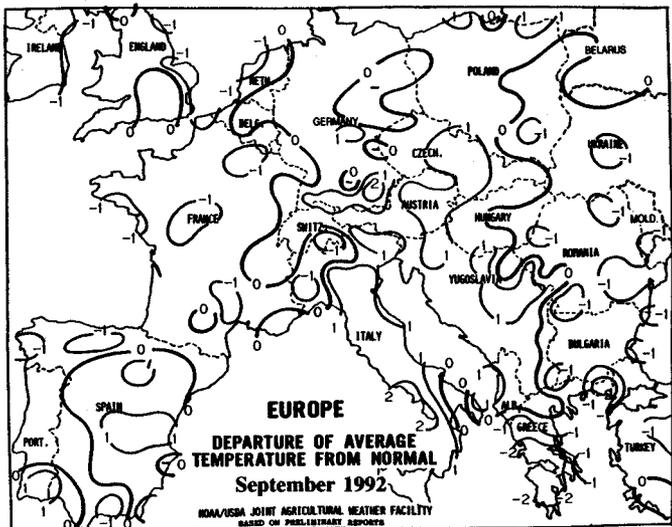
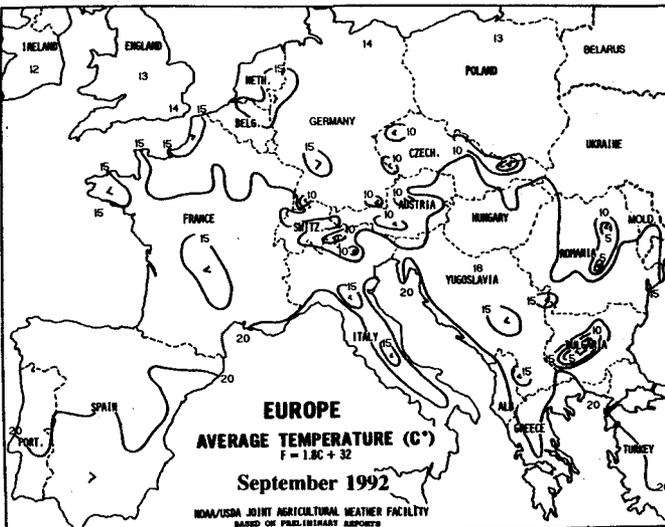
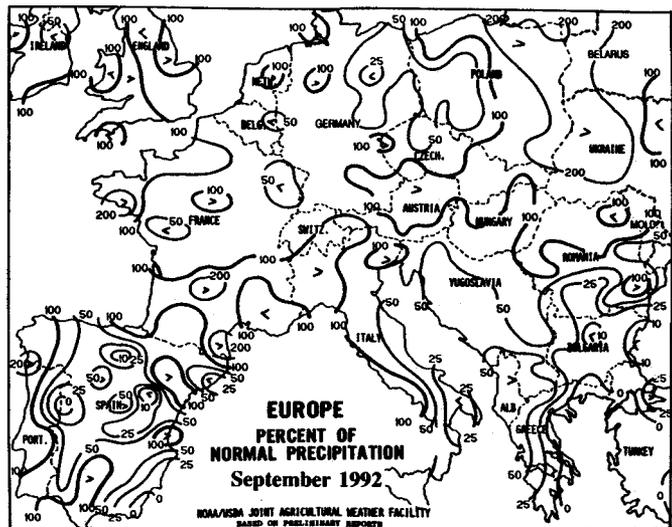
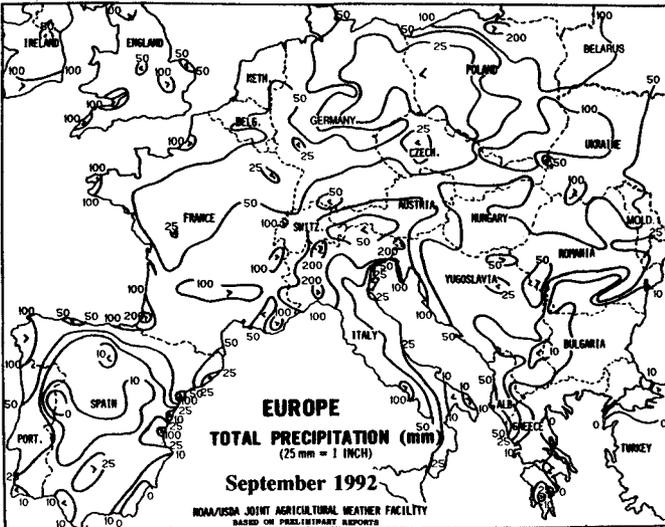
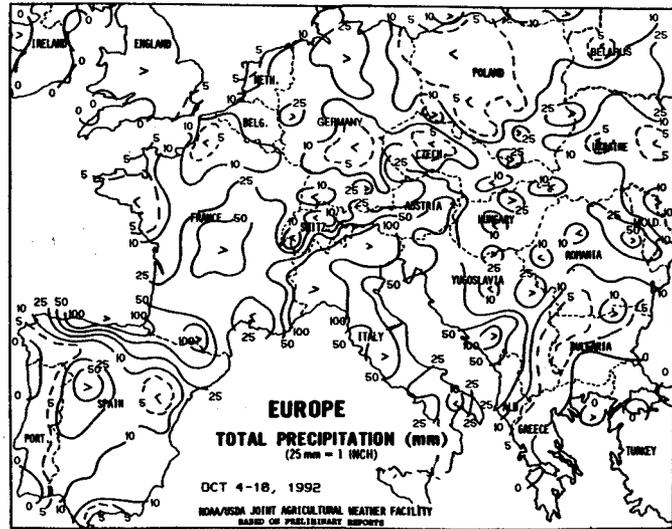


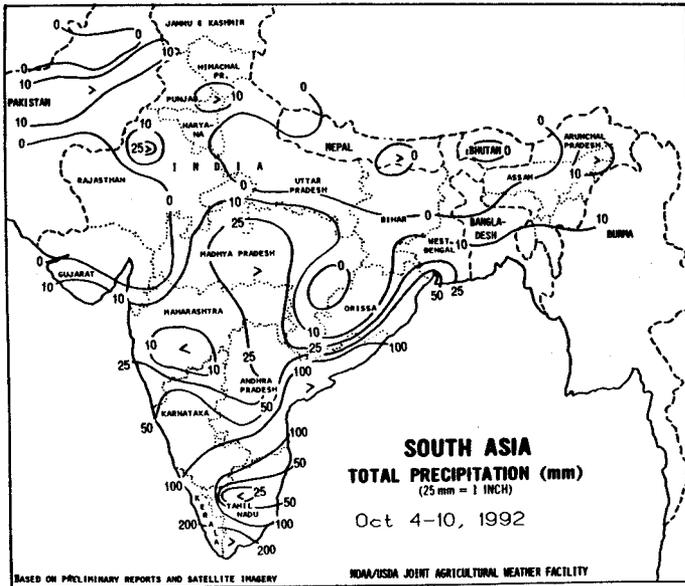


FSU - NEW LANDS: Mostly dry weather covered the southern Urals, central Kazakhstan, and western spring grain areas in western Siberia, allowing final harvest efforts to progress without delay. In contrast, intermittent rain and snow over eastern crop areas continued to slow harvesting. In September, unseasonably warm, dry weather in the Urals and the western half of Kazakhstan helped harvest. In contrast, persistent cold, wet weather in parts of western Siberia and adjacent areas in eastern Kazakhstan caused significant harvest delays. In south-central cotton-growing areas of the former Soviet Union, unseasonably cool weather (weekly averaged temperatures 2-4 degrees C below normal) was accompanied by light, scattered rain, slowing boll maturation and harvest. In September, light precipitation (around 10 mm) and near-normal temperatures covered most cotton-growing areas.

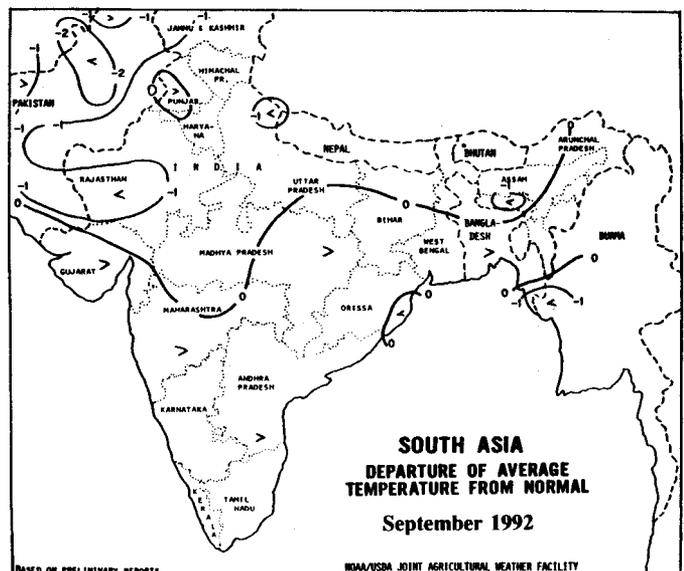
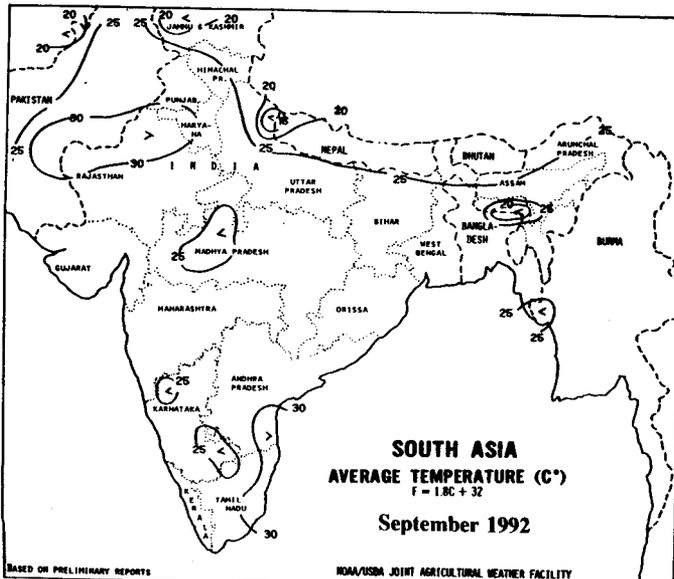
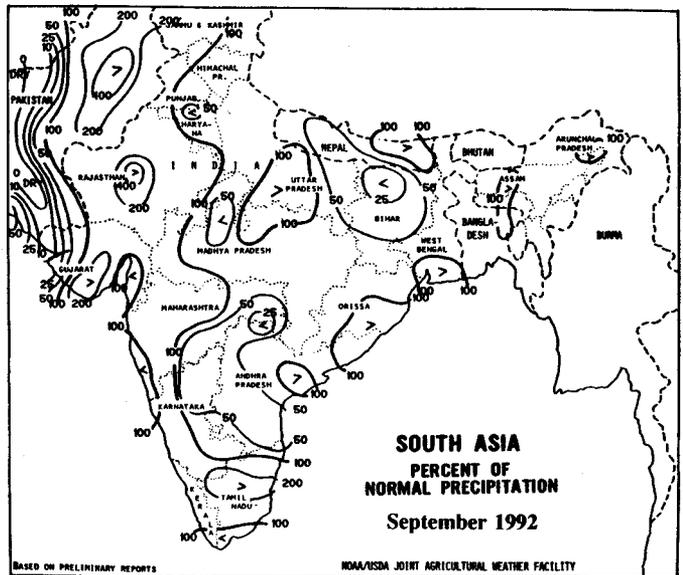
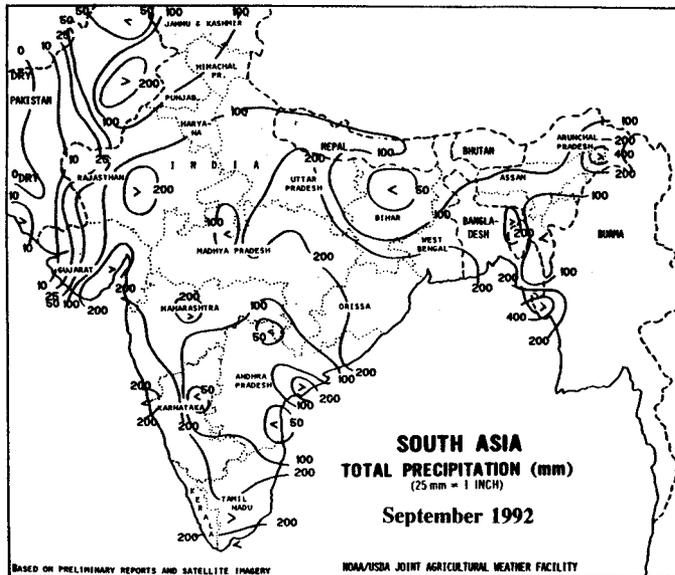


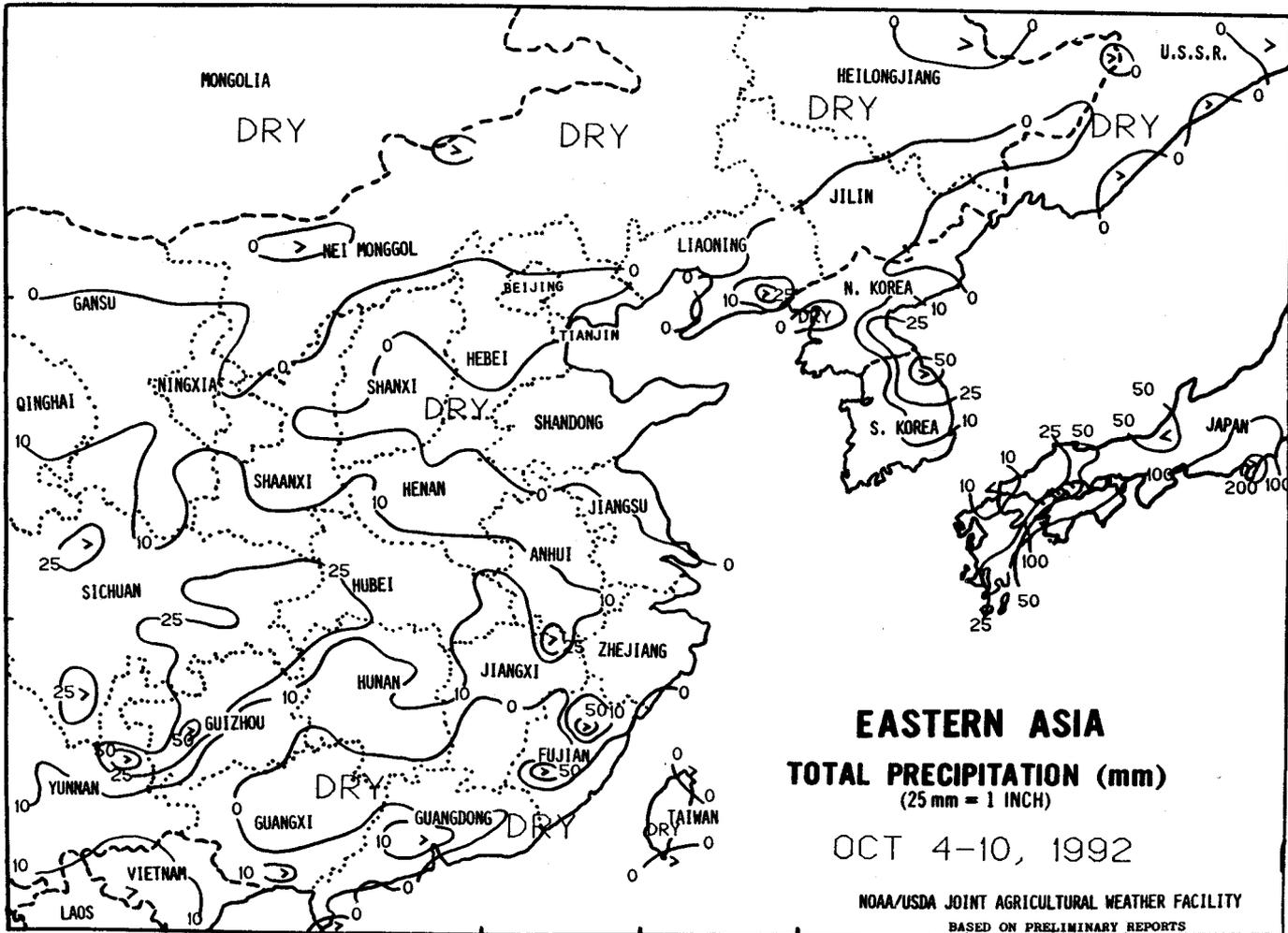
EUROPE: Dry weather in the United Kingdom improved field conditions for harvesting of grain and sugar beets. Mostly light showers (1-10 mm) caused few fieldwork delays in extreme northern France, the Benelux countries, Czechoslovakia, and most of Poland. More significant rain (10-30 mm) fell in central France, Germany, and east-central Europe, causing some corn and sugar beet harvest delays. Locally heavy rain (50-100 mm or more) soaked south-central France, the Pyrenees region, northern Italy, and the Adriatic coast. Persistent rainfall in recent weeks throughout this area has caused extensive flooding. Beneficial showers (5-25 mm) fell over most of Spain and southern Italy. Below-normal September rainfall across northern Europe favored harvesting, but topsoil moisture was low for winter grain planting in eastern Germany, western Poland, and in southeastern Europe. Above-normal monthly rainfall in Great Britain, southern France, and scattered areas of northern Italy was a prelude to excessive wetness in early October.



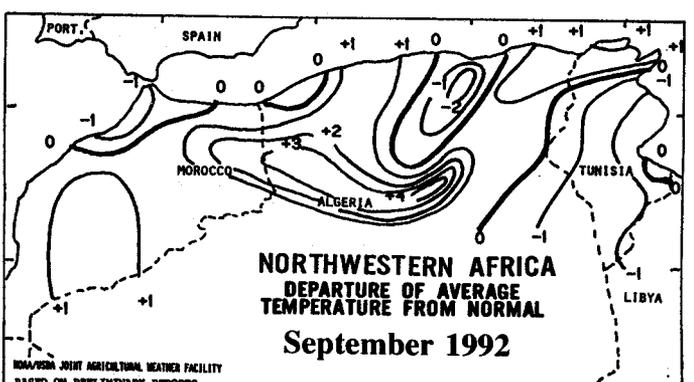
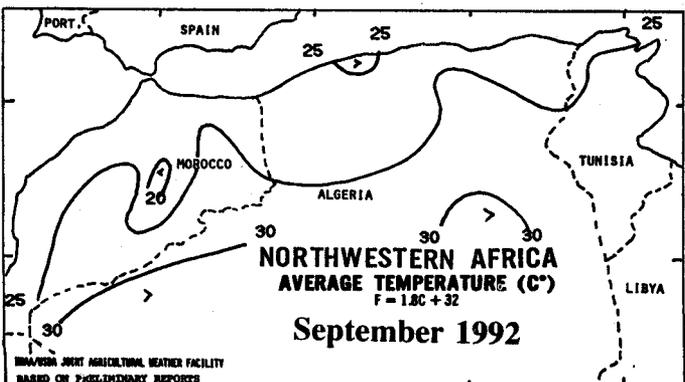
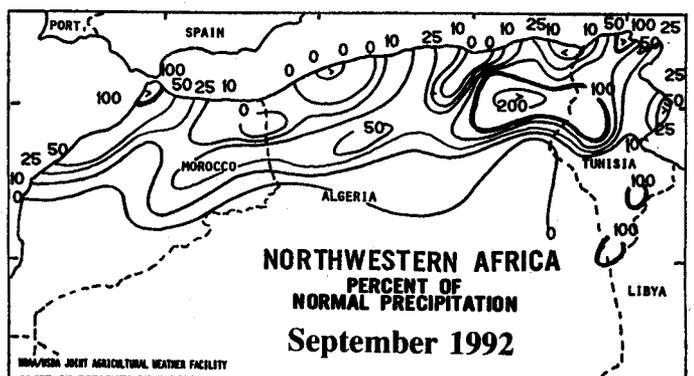
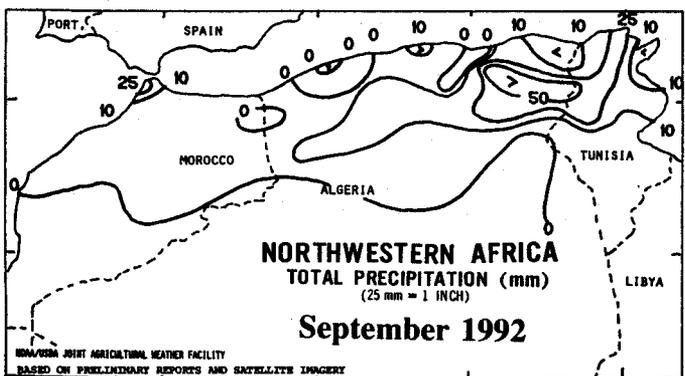
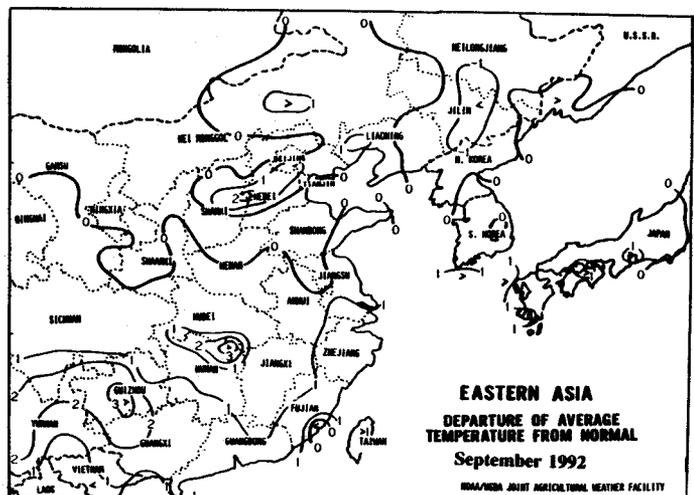
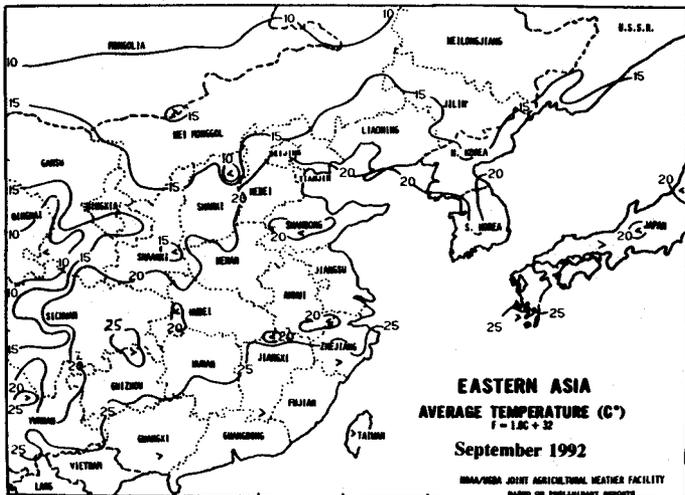
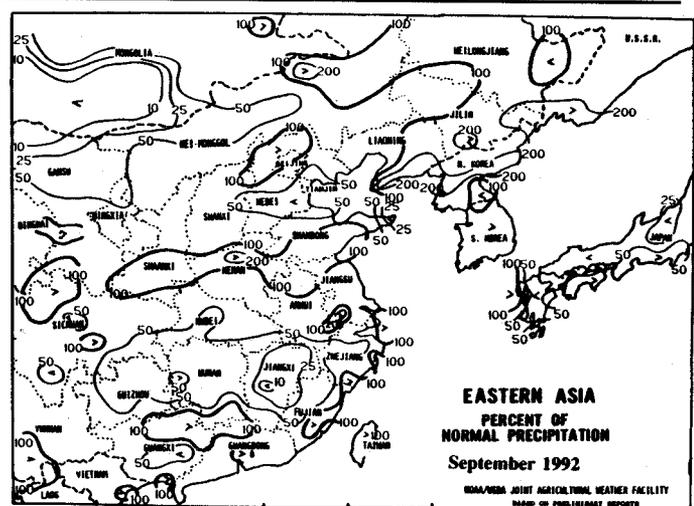
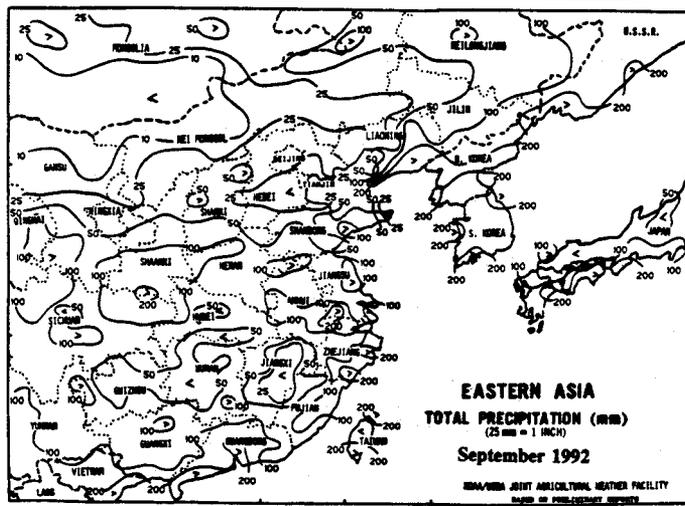


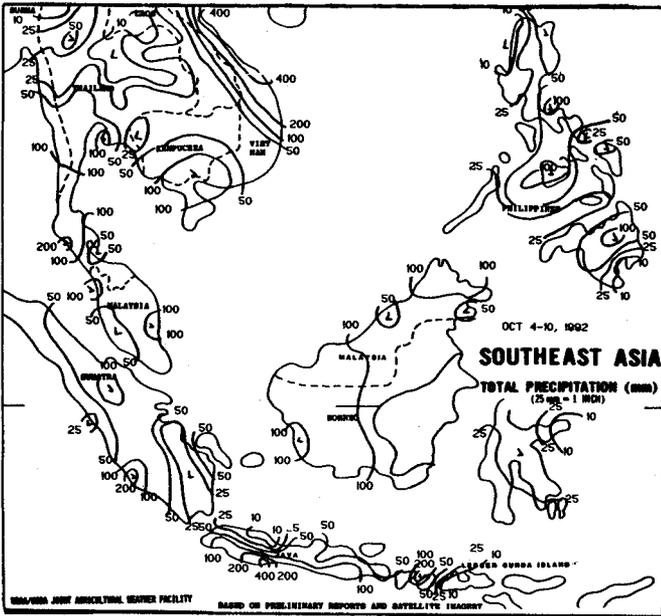
SOUTH ASIA: Moderate showers (10-35 mm) pushed into summer crop regions of central India, boosting moisture for late-planted oilseeds, grains, and cotton. The rains were the result of a cyclone that hit India's southeastern coast and rolled across the southern interior, bringing moderate to heavy showers (25-50 mm, with isolated totals exceeding 100 mm) to vegetative to reproductive fall crops. Although the moisture was generally beneficial, local flooding was likely in coastal rice areas and fall grain and oilseed areas of southern Andhra Pradesh and Karnataka. Scattered, light showers (1-23 mm) lingered over the northwest, but seasonably drier weather spread eastward from Uttar Pradesh through Bangladesh. During September, the monsoon was active early in the month, helping late-planted summer crops but causing locally severe flooding, especially in Pakistan's northern cotton and rice areas. By month's end, the monsoon had withdrawn from northwestern and central crop areas, leaving shower activity concentrated over southern and eastern India and Bangladesh, improving irrigation for dry season crops.



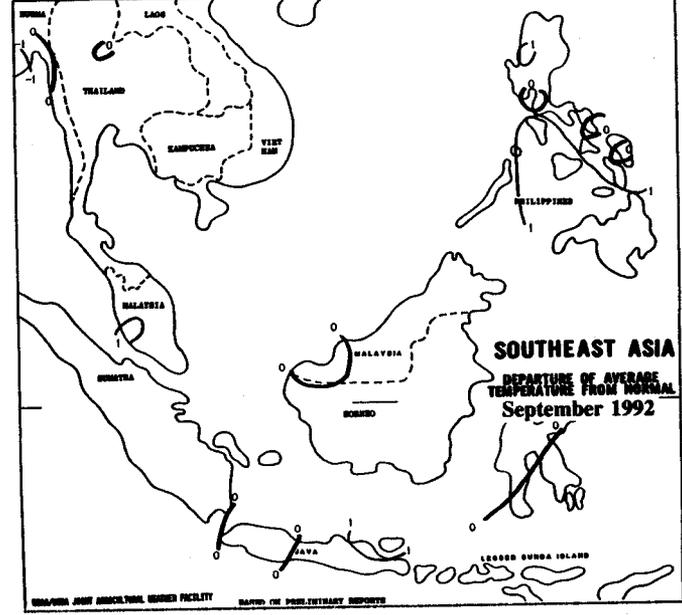
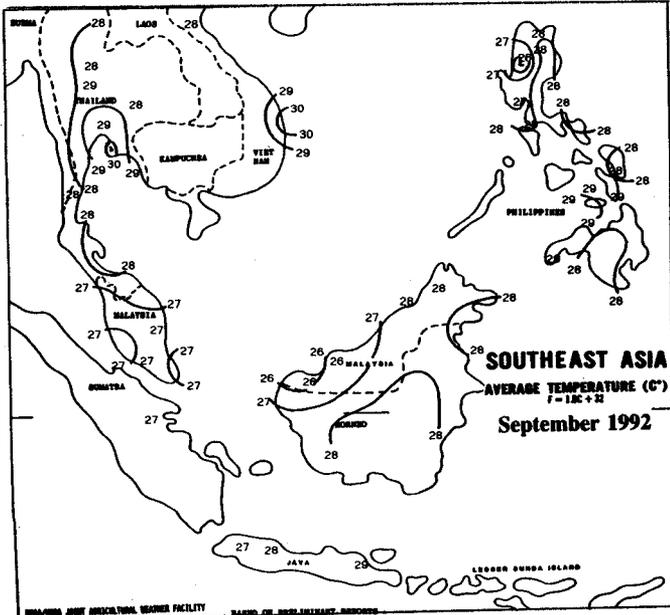
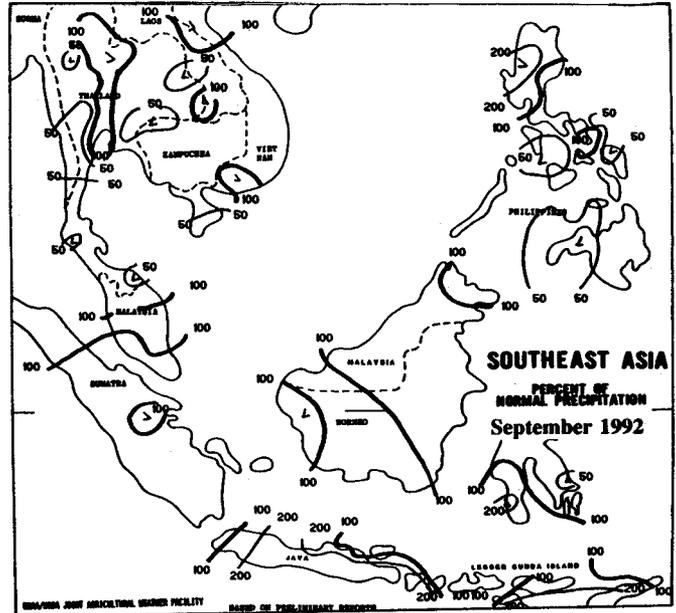
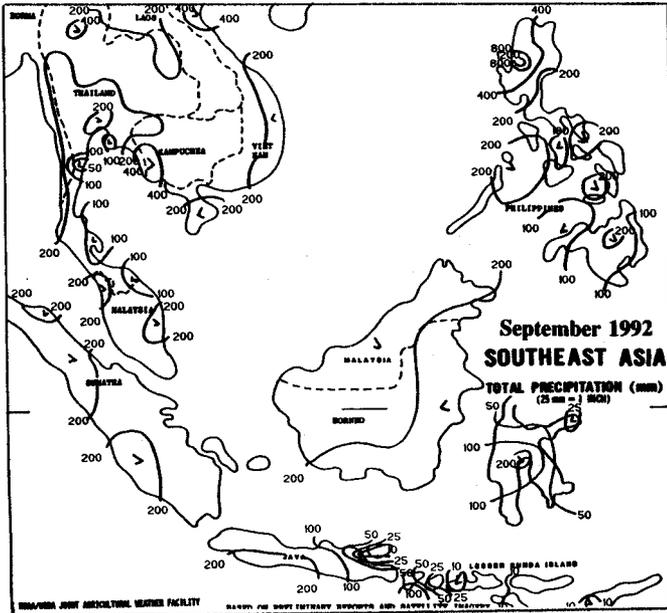


EASTERN ASIA: Mostly dry weather (rainfall amounts less than 10 mm) aided summer crop harvesting across Manchuria as well as the North China Plain, where dryness also favored winter wheat planting. Light to moderate rain (12-40 mm) covered the Yangtze Basin westward into Sichuan, favoring soil moisture for winter crops. Scattered light rain (less than 10 mm) fell across southern China, favoring rice maturation and harvesting. Weekly temperatures averaged 2-5 degrees C below normal across most of China. During September, rainfall averaged near- to above-normal across Manchuria, causing some summer crop harvesting delays. South-central China received below-normal rainfall (Guizhou, Hunan, and Jiangxi received less than 50 percent of normal rainfall), aiding rice harvesting. However, reservoir levels are low for late rice and winter crops due to persistent dryness. The rest of the country received near to slightly below-normal rainfall.

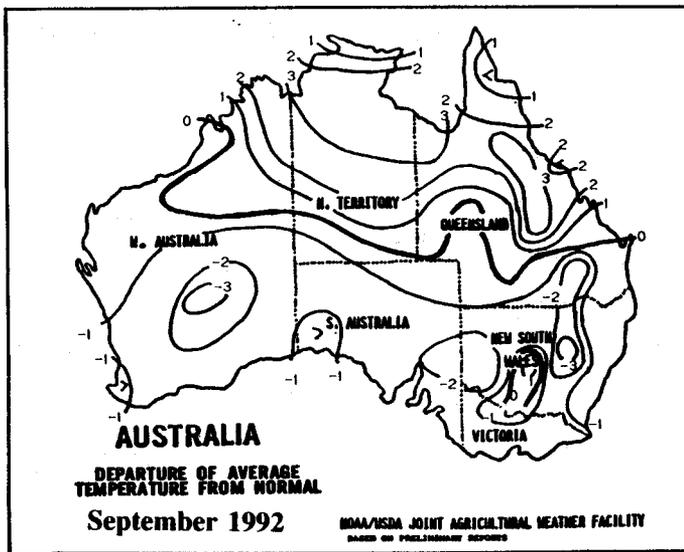
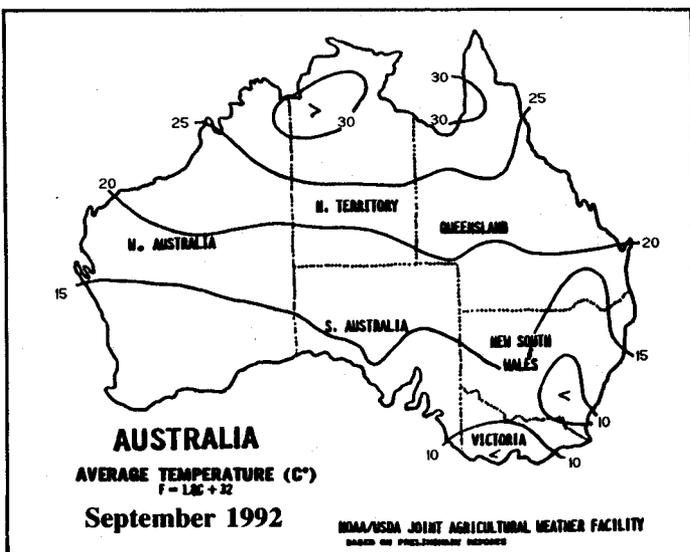
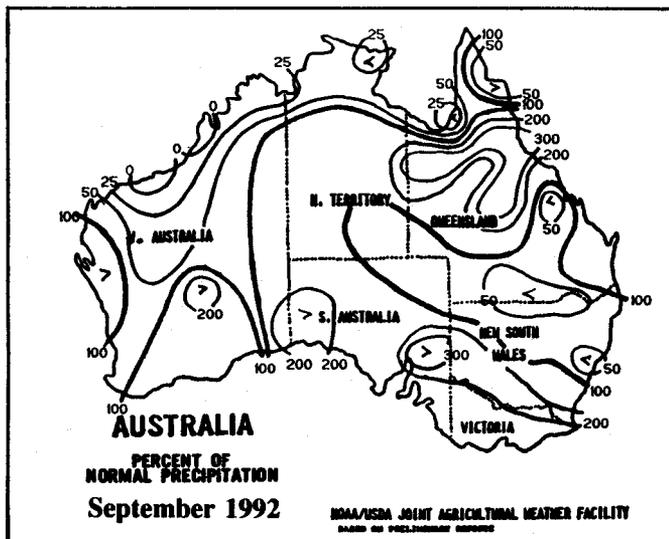
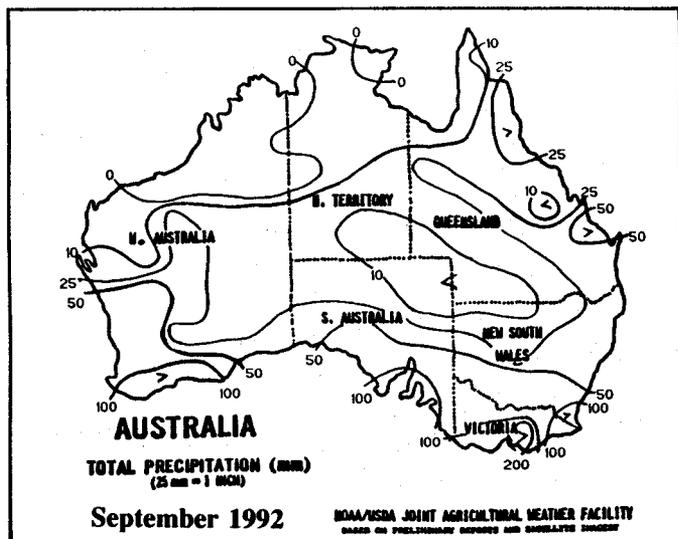
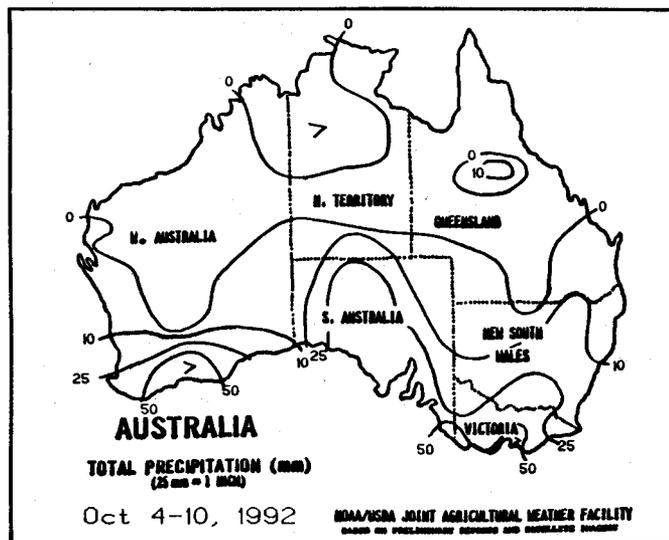


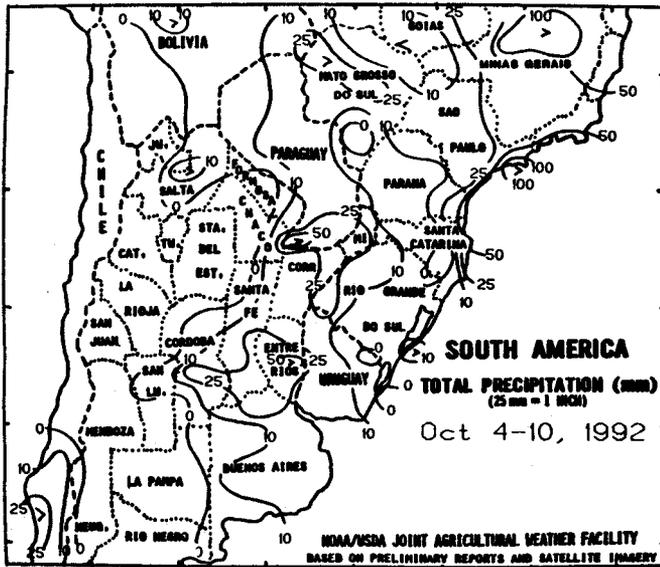


SOUTHEAST ASIA: Showers continued to taper off over Thailand's primary rainfed grain areas with only a few isolated reports exceeding 50 mm north of Bangkok. However, inundating rains (100-200 mm or more) fell over Peninsular Thailand and Vietnam, where a tropical system south of Hanoi produced rainfall in excess of 500 mm. Indochina's September rainfall was above normal in northern Vietnam and along the Chao Phraya River, boosting irrigation for dry season crops but causing some flooding. September rainfall was near to below normal elsewhere in Indochina, including the Mekong River Valley, which experienced flooding in August. To the south, moderate to heavy showers (35-200 mm or more) continued over Malaysia and much of Indonesia, reflecting September's near- to above-normal totals. The recent, earlier-than-usual heavy showers have improved irrigation reserves for Java's rice, although some flooding has resulted. In the Philippines, moderate to heavy showers (25-50 mm or more) from southern Luzon southward improved prospects for fall grains. Rain has been picking up in these areas since mid-September. Increased typhoon activity in September caused flooding in western Luzon.

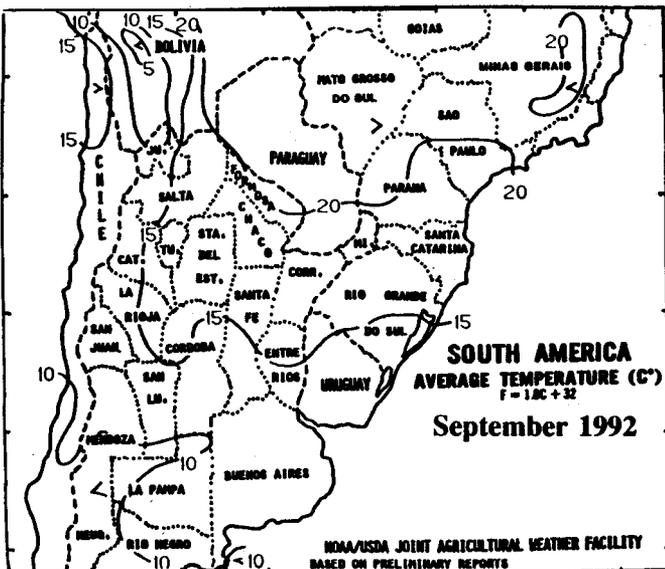
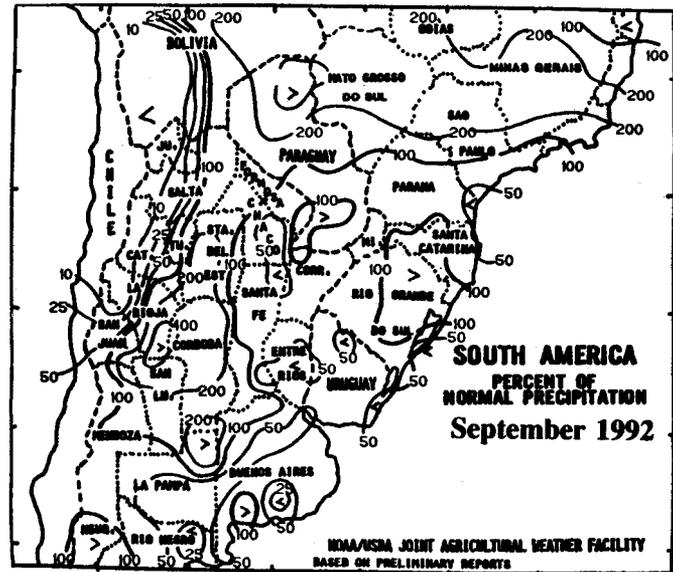
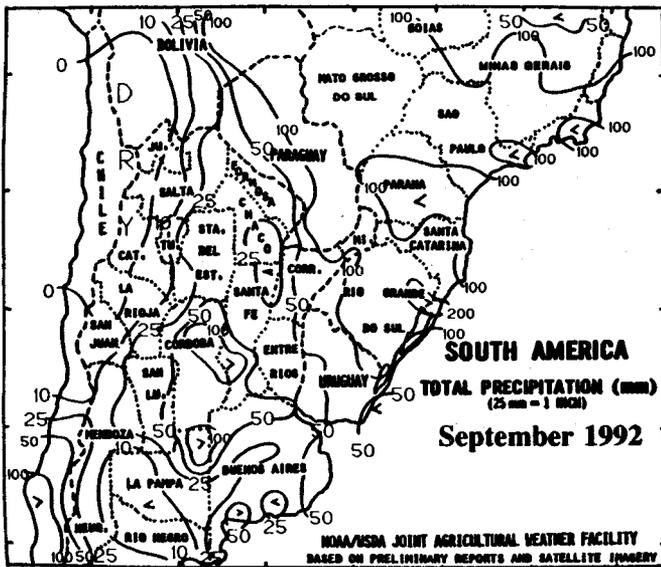


AUSTRALIA: Northern New South Wales received beneficial rain (10-15 mm) for vegetative to flowering winter wheat, but additional rainfall is needed. Dryness continued across southern Queensland, where limited moisture is stressing vegetative to reproductive wheat. Wheat yield prospects will continue to decline in both of these areas until significant rain stabilizes prospects. September rainfall ranged from 35 to 70 percent of normal in these areas. Last week, widespread light to moderate rain (14-33 mm) covered the wheat areas of South Australia, Victoria, and central and southern New South Wales, continuing to benefit winter grains. Scattered light rain (2-16 mm) fell across the western wheat areas. Weekly temperatures averaged 2-5 degrees C below normal across the major wheat areas. Wheat yield prospects are favorable in the west, south, and southeast. During September, these areas received above- to much above-normal rainfall, aiding soil moisture for winter wheat growth.

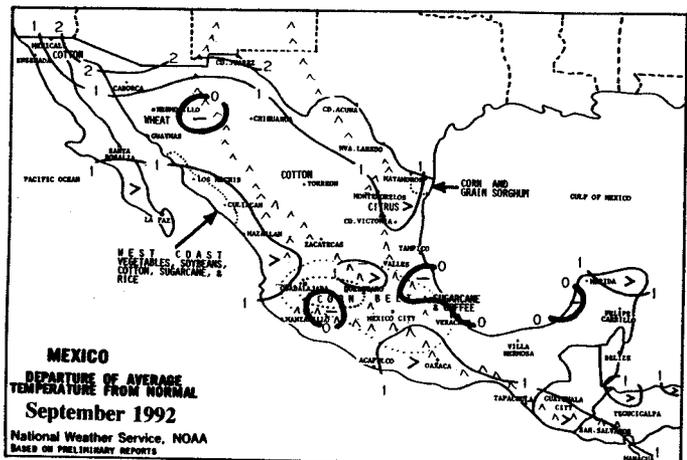
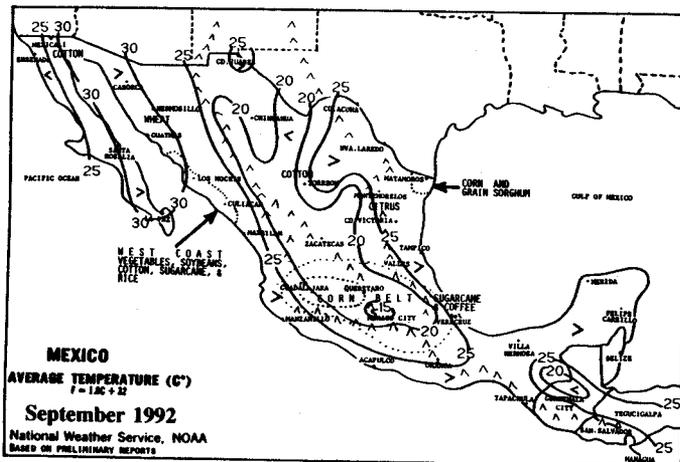
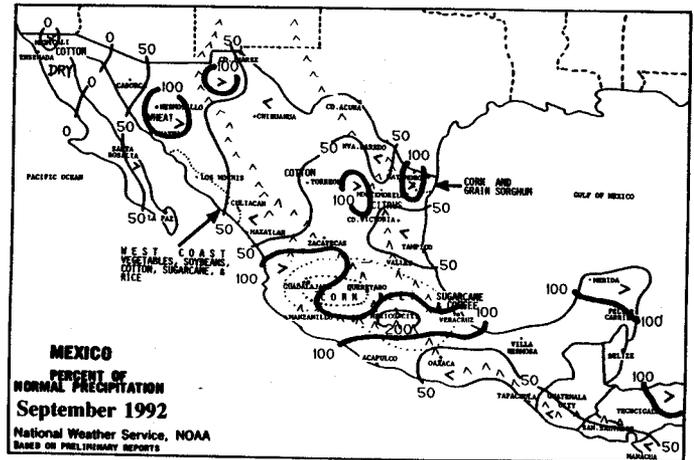
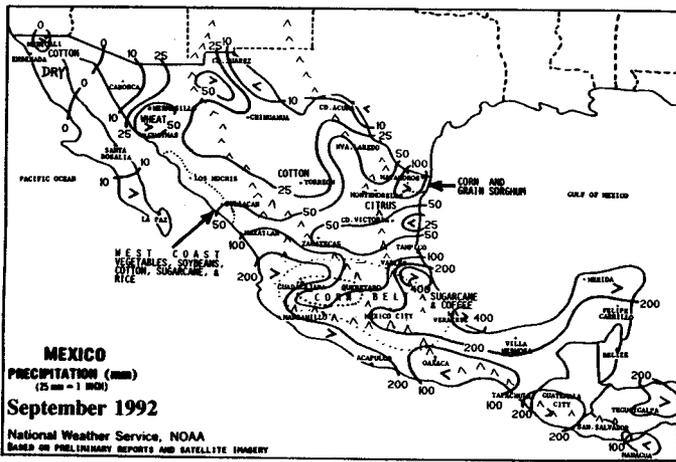
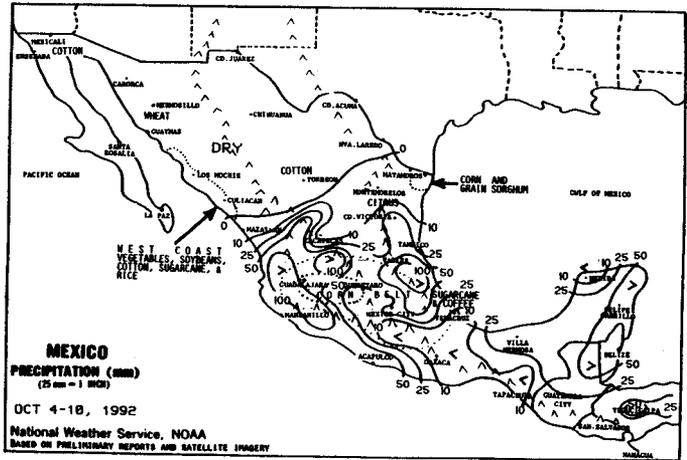


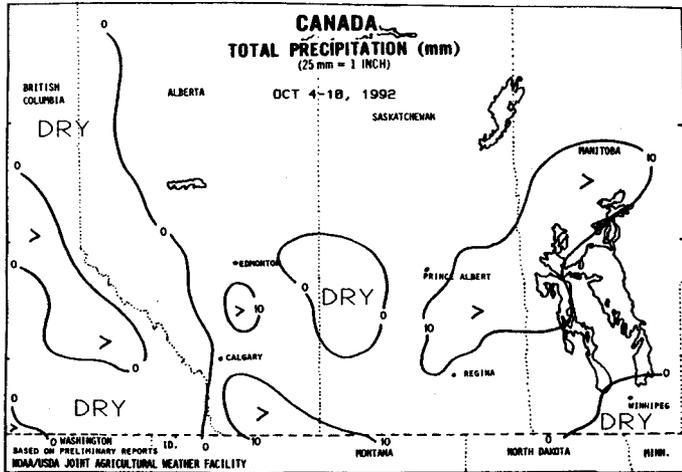


SOUTH AMERICA: In southern Brazil, drier weather (rainfall amounts of 4-19 mm) aided soybean and corn planting and winter wheat harvesting across Rio Grande do Sul and Parana. Moderate to heavy rain (39-129 mm) fell across Minas Gerais, benefiting soil moisture for soybeans and coffee. September rainfall averaged above to much above normal across most of southern Brazil, favoring soil moisture for summer crops but delaying winter wheat harvesting. In Argentina, light to moderate rain (6-40 mm) fell across Entre Rios, Buenos Aires, southern Santa Fe, and Cordoba, increasing topsoil moisture for summer crop planting and favoring vegetative to reproductive winter wheat. While cooler temperatures prevailed across the western crop areas, additional rainfall would be beneficial. Weekly temperatures averaged near to slightly below normal across central Argentina and southern Brazil. During September, rainfall averaged below normal across most crop areas of Argentina, aiding early field preparation.

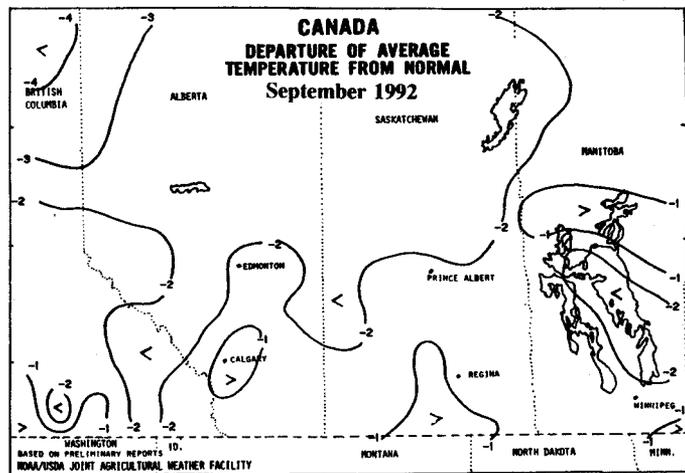
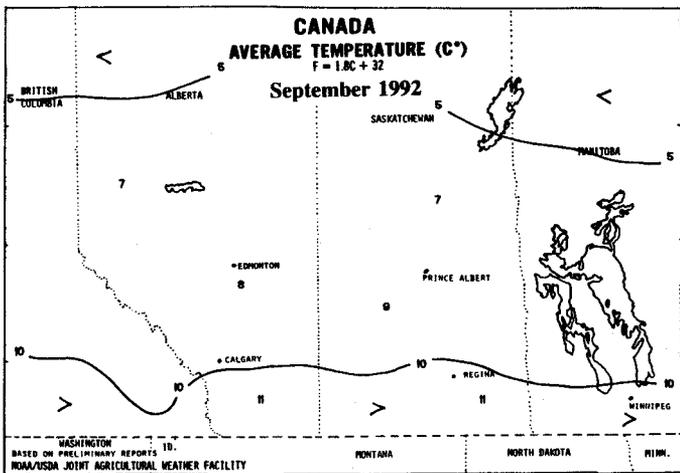
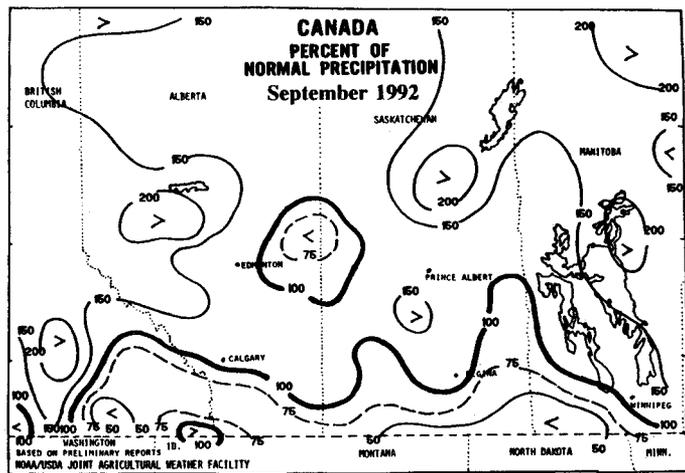
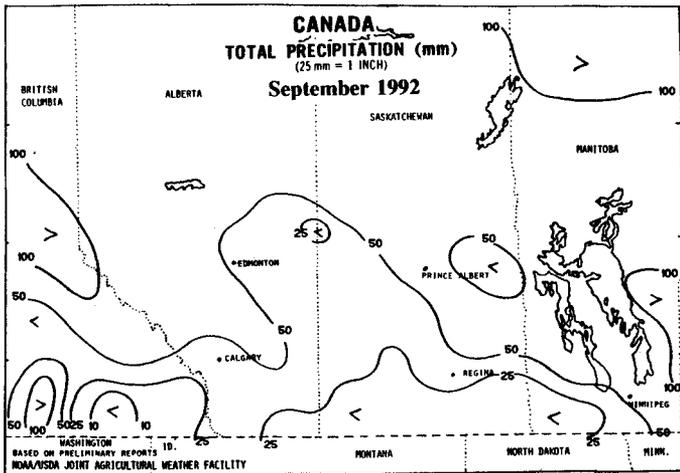


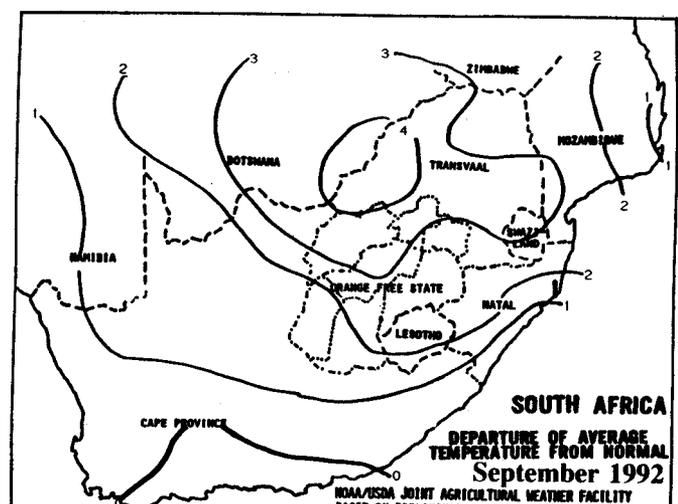
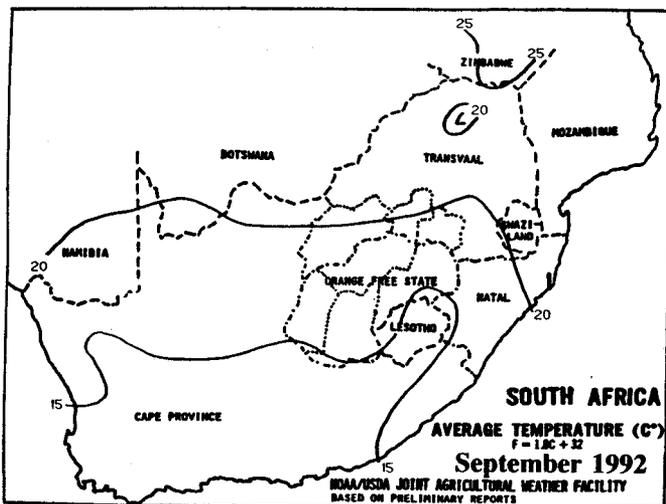
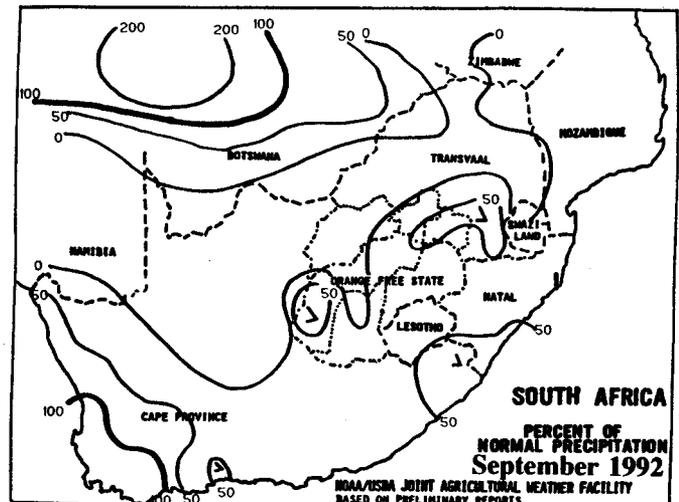
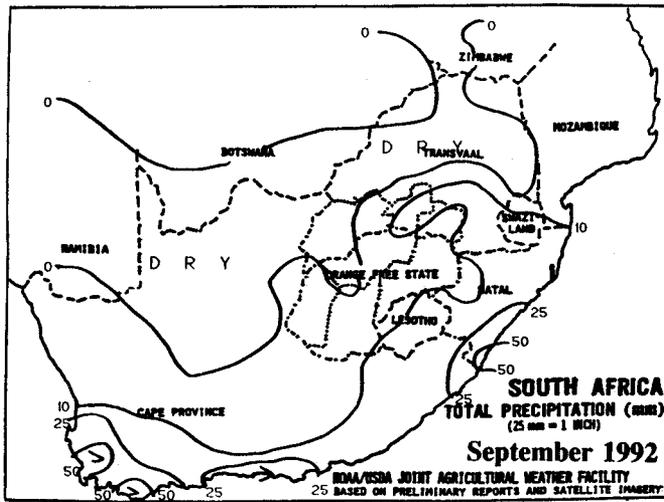
MEXICO: Hurricane Winifred hit the southwest coast of Mexico (near Manzanillo), with sustained winds of 78-87 knots (90-100 mph). The storm produced widespread heavy rain (54-117 mm) along the western corn belt, delaying corn harvesting. Moderate rain (20-80 mm) fell elsewhere in the Southern Plateau corn belt, causing some corn harvesting delays. While the persistent rains delayed corn harvesting, no major impacts are expected to corn yield prospects. The Yucatan peninsula continued to receive widespread moderate to heavy rain (31-97 mm) favoring reproductive to filling corn. Weekly temperatures averaged near normal across the corn belt. During September, rainfall averaged near to above normal across the corn belt, except for the central sections, which received slightly below- to near-normal rainfall. The northwest wheat and northeast summer grains region reported near- to above-normal rainfall.





CANADA: Early-week light to moderate showers (2-21 mm) slowed oilseed and grain harvests across northern Prairie crop regions. However, late-week drier weather favored drydown and fieldwork. Harvests progressed the past few weeks but are still incomplete, lagging behind normal due to this season's chronic coolness. Further east, rainfall was light (1-14 mm) over Ontario's corn belt, favoring maturation. Freezing and near-freezing temperatures (lows -1 to 1 degrees C) were reported over nearly all areas, possibly causing light damage to immature corn. During September, showers lingered in the northeastern Prairies and sections of southern Alberta, worsening grain and oilseed quality. Manitoba received its first hard freeze early in the month, ending the growing season for grains and oilseeds well behind in development. Temperatures averaged below normal for the month across the Prairies, as well as Ontario, where crops have been behind schedule all season. However, Ontario's corn received no killing freeze.





(Continued from front cover)
 in **Ely, NV**, and 10°F in **Elko, NV**, were daily record lows. Farther east, **Concordia, KS**, received its earliest measurable snow on record (2.1 inches), snapping the record previously set during the October 9, 1970, 4.6-inch snowstorm. By Thursday morning, sub-freezing temperatures accompanied gusty northerly winds as far south as the **Texas Panhandle**. **Dalhart, TX**, reported 27°F, and **Lubbock, TX**, reached 32°F. Meanwhile, rainy, cool weather delayed harvest activities in the **western Corn Belt**. Late in the week, heavy rain returned to the **Southeast**. Rainfall topped 9 inches in parts of **southern South Carolina**, causing flooding. At week's end, rainshowers lingered in the **Eastern States**, while dry, seasonably cool weather covered the rest of the Nation.

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Record High Corn and Soybean Yields

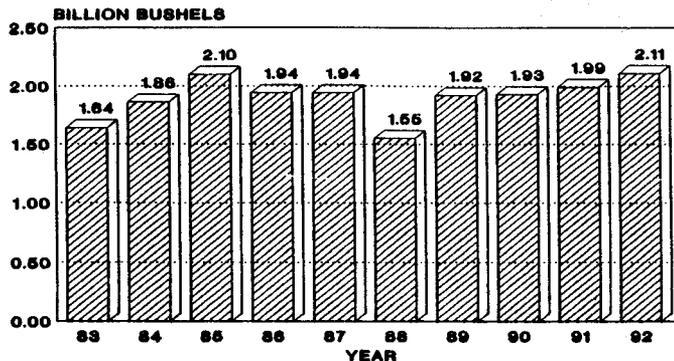
The U.S. Department of Agriculture's October forecast calls for U.S. corn production to achieve a record high 8.94 billion bushels, up 2 percent from September and 20 percent above the 1991 crop. The U.S. average yield per acre is forecast at a record high 123.8 bushels, up 2.4 bushels from last month and 15.2 bushels above the 1991 average yield.

Soybean production is forecast at 2.11 billion bushels, up 1 percent from the September 1 forecast and up 6 percent from 1991. The average yield is estimated at a record high 36.3 bushels per acre, 0.4 bushels above the September 1 yield and 2.1 bushels above 1991.

All wheat production was estimated at 2.46 billion bushels, up 2 percent from September 1 and 24 percent higher than 1991. The U.S. yield estimate of 39.4 bushels per acre equaled the second highest average on record and was up 1.2 bushels from September.

All cotton production for 1992 is forecast at 15.9 million bales, down slightly from September and down 10 percent from last year. While warmer weather improved prospects in Texas, the Delta's crop development was hampered by prolonged cool, wet weather.

U.S. SOYBEAN PRODUCTION
1983 - 1992



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